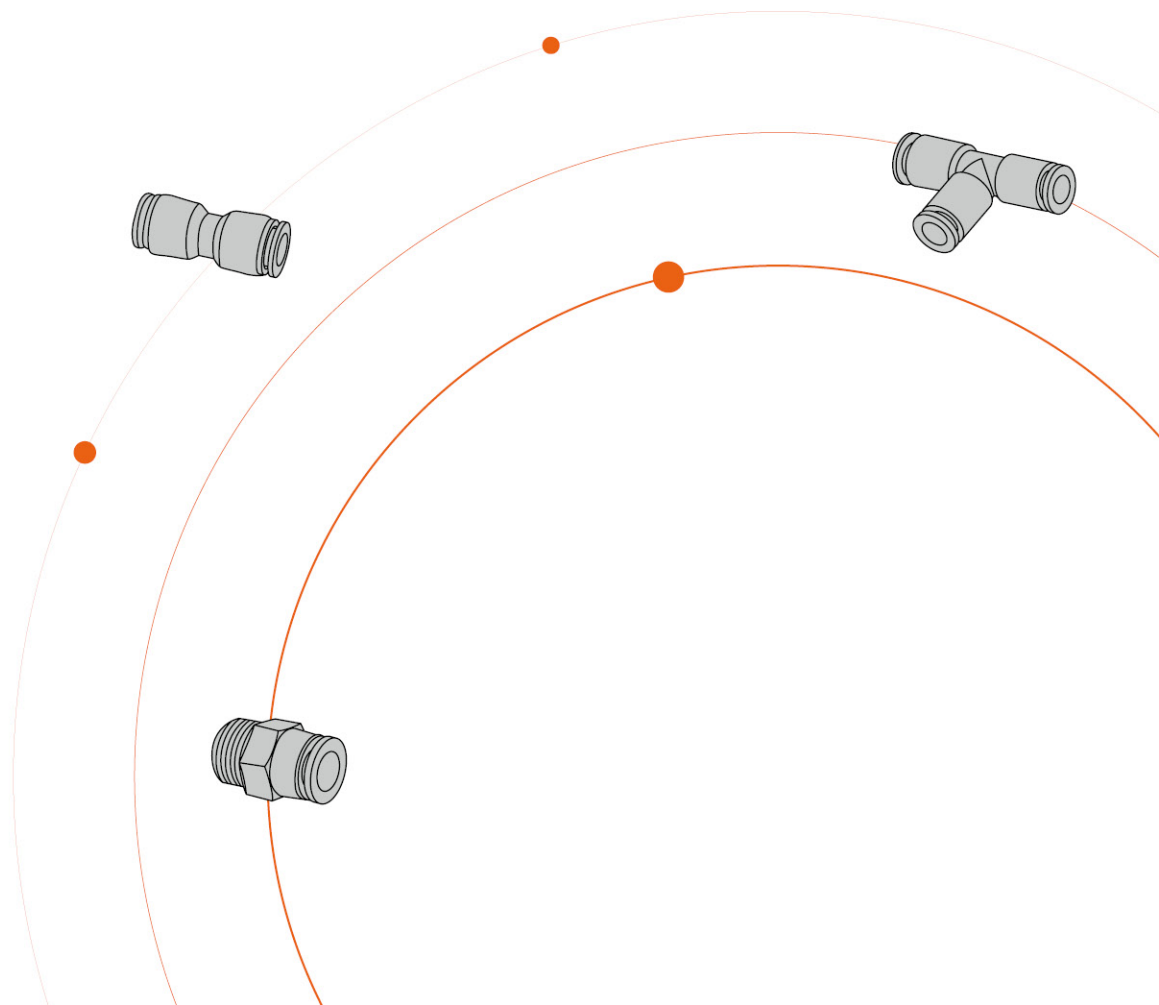


FUYETO

PRODUCT MANUAL

Pneumatic Joint



Catalog Index

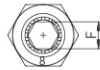
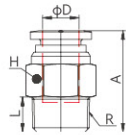
Pneumatic Joint

- 01 FPC /FPOC Series-Threaded Straight Through
- 02 FPCF Series/FPMF Series
- 03 FPL Series/FPLF Series/FPL-C Series/FPLL Series
- 04 FPH Series/FSL Series/FPM Series/FPLM Series
- 05 FPX Series/FPB Series
- 06 FPD Series/FPZB Series
- 07 FPKB Series/FPKD Series/FVPU Series/FVPV Series
- 08 FHVFS Series/FNRC Series/FPP Series/FBUC Series
- 09 FNRL Series/FPKB-G Series/FPEG-2 Series
- 10 FPU Series/FPV Series/FPE Series/FPY Series/FPZA Series/FPK Series
- 11 FPG Series/FPVG Series/ FPEG Series/FPW Series
- 12 FPKG Series/FPLM Series/FPMG Series/FPC-C,FPOC-C Series
- 13 FHVFS-G Series/FPL-G Series/FPC-G Series
- 14 FSL-G/FPH-G/FPOC-C/FHVSS-G Series
- 15 FPX-G/FPLL/ZFC Series
- 16 FPB-G/FPD-G/FPA/FHVFF Series
- 17 FPKD/FPL Series
- 18 FPLF/FPL-G Series
- 19 FKQ2H Series
- 20 FKQ2S/FKQ2L Series
- 21 FKQ2L/FKQ2LU Series
- 22 FKQ2LU Series
- 23 FKQ2V/FKQ2VS Series

Pneumatic Joint

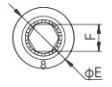
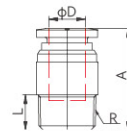
- 24 FKQ2VF/FKQ2VT/FKQ2VD Series
- 25 FKQ2Z/FKQ2ZF Series
- 26 FKQ2ZD/FKQ2ZT Series
- 27 FKQ2W/FKQ2LF Series
- 28 FKQ2D/FKQ2Y Series
- 29 FKQ2V/FKQ2F Series
- 30 FKQ2U/FKQ2K/FKQ2E Series
- 31 FKQ2K/FKQ2T Series
- 32 FKQ2T/FKQ2TW/FKQ2TX/FKQ2TY Series
- 33 FKQ2X/FKQ2E/FKQ2UD/FKQ2LE/FKQ2UD/FKQ2XD Series
- 34 FKQ2D/FKQ2P/FKQ2T/FKQ2Y Series
- 35 FKQ2C/FK2QH/FKQ2L Series
- 36 FAN/FKQ2S/FKQ2K Series
- 37 FAS Series
- 44 FASP/FAS-FS Series
- 45 FASE/FJASV Series
- 46 FASV Series
- 47 FAKH/FAKB Series
- 48 FKK/FKKH Series
- 49 FVHK Series
- 51 FZH Series
- 54 FKSH/FKSL Series
- 55 FPU Pipe

FPC Series-Threaded Straight Through



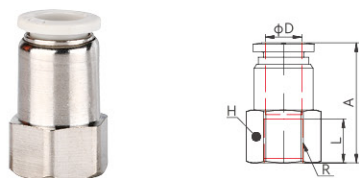
Model	ΦD	R	L	A	H	F
FPC4-M5	4	M5*0.8	3.5	19	10	-
FPC4-01	4	PT1/8	7	18.5	10	3
FPC4-02	4	PT1/4	8	19	14	3
FPC4-03	4	PT3/8	9	20	17	3
FPC6-M5	6	M5*0.8	3.5	20.6	12	-
FPC6-01	6	PT1/8	7	21.3	12	5
FPC6-02	6	PT1/4	8	21	14	5
FPC6-03	6	PT3/8	9	21	17	5
FPC6-04	6	PT1/2	11	23	21	5
FPC8-01	8	PT1/8	7	24.9	14	5
FPC8-02	8	PT1/4	8	23.1	14	6
FPC8-03	8	PT3/8	9	21.5	17	6
FPC8-04	8	PT1/2	11	23.6	21	6
FPC10-01	10	PT1/8	7	27	17	5
FPC10-02	10	PT1/4	8	27.5	17	6
FPC10-03	10	PT3/8	9	27	17	8
FPC10-04	10	PT1/2	11	25	21	8
FPC12-01	12	PT1/8	7	28.6	19	5
FPC12-02	12	PT1/4	8	29.4	19	6
FPC12-03	12	PT3/8	9	27.4	19	10
FPC12-04	12	PT1/2	11	27.4	21	10
FPC14-02	14	PT1/4	8	30.4	21	6
FPC14-03	14	PT3/8	9	31.2	21	10
FPC14-04	14	PT1/2	11	30	21	10
FPC16-02	16	PT1/4	8	32.9	24	6
FPC16-03	16	PT3/8	9	33.9	24	10
FPC16-04	16	PT1/2	11	32.4	24	12
FPC16-06	16	PT3/4	13	31.4	27	12

FPOC Series-Threaded Straight Through



Model	ΦD	R	L	A	ΦE	F
FPOC4-M5	4	M5*0.8	3.5	19	10	2
FPOC4-01	4	PT1/8	7	18.5	10	3
FPOC4-02	4	PT1/4	8	19	14	3
FPOC4-03	4	PT3/8	9	20	17	3
FPOC6-M5	6	M5*0.8	3.5	20.6	12	2
FPOC6-01	6	PT1/8	7	21.3	12	4
FPOC6-02	6	PT1/4	8	21	14	5
FPOC6-03	6	PT3/8	9	21	17	5
FPOC6-04	6	PT1/2	11	23	21	5
FPOC8-01	8	PT1/8	7	24.9	14	5
FPOC8-02	8	PT1/4	8	23.1	14	6
FPOC8-03	8	PT3/8	9	21.6	17	6
FPOC8-04	8	PT1/2	11	23.6	21	6
FPOC10-01	10	PT1/8	7	27	17	5
FPOC10-02	10	PT1/4	8	27.5	17	6
FPOC10-03	10	PT3/8	9	27	17	8
FPOC10-04	10	PT1/2	11	25	21	8
FPOC12-01	12	PT1/8	7	28.6	19	5
FPOC12-02	12	PT1/4	8	29.4	19	6
FPOC12-03	12	PT3/8	9	27.4	19	10
FPOC12-04	12	PT1/2	11	27.4	21	10
FPOC14-02	14	PT1/4	8	30.4	21	6
FPOC14-03	14	PT3/8	9	31.2	21	10
FPOC14-04	14	PT1/2	11	30	21	10
FPOC16-02	16	PT1/4	8	32.9	24	6
FPOC16-03	16	PT3/8	9	33.9	24	10
FPOC16-04	16	PT1/2	11	32.4	24	12
FPOC16-06	16	PT3/4	13	31.4	27	12

FPCF Series- Internal Thread Straight Through



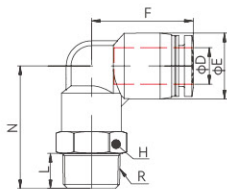
Model	ΦD	R	L	A	H
FPCF4-M5	4	M5*0.8	6.5	21.8	10
FPCF4-01	4	PT1/8	9	24.3	12
FPCF4-02	4	PT1/4	10	25.3	15
FPCF4-03	4	PT3/8	11	26.3	19
FPCF6-M5	6	M5*0.8	6.5	22.5	12
FPCF6-01	6	PT1/8	9	26	12
FPCF6-02	6	PT1/4	10	27	15
FPCF6-03	6	PT3/8	11	28	19
FPCF6-04	6	PT1/2	13	30	24
FPCF8-01	8	PT1/8	9	26.3	14
FPCF8-02	8	PT1/4	10	27.3	15
FPCF8-03	8	PT3/8	11	28.3	19
FPCF8-04	8	PT1/2	13	30.3	24
FPCF10-01	10	PT1/8	9	27.5	17
FPCF10-02	10	PT1/4	10	29.5	17
FPCF10-03	10	PT3/8	11	30.5	19
FPCF10-04	10	PT1/2	13	32.5	24
FPCF12-01	12	PT1/8	9	28.9	19
FPCF12-02	12	PT1/4	10	30.9	19
FPCF12-03	12	PT3/8	11	31.9	19
FPCF12-04	12	PT1/2	13	33.9	24
FPCF14-02	14	PT1/4	10	30.8	21
FPCF14-03	14	PT3/8	11	32.8	21
FPCF14-04	14	PT1/2	13	34.8	24
FPCF16-02	16	PT1/4	10	32.9	24
FPCF16-03	16	PT3/8	11	33.9	24
FPCF16-04	16	PT1/2	13	36.9	24

FPMF Series-Partition internal thread straight-connection



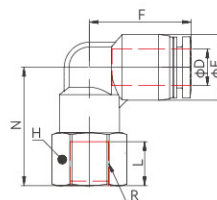
Model	ΦD	R	L	A	C	E	M	H	F
FPMF4-M5	4	M5*0.8	6.5	25.5	3	8.5	M12*1	14	14
FPMF4-01	4	PT1/8	9	28	3	8.5	M12*1	14	14
FPMF4-02	4	PT1/4	10	29.5	3	8.5	M12*1	15	14
FPMF4-03	4	PT3/8	11	30.5	3	8.5	M12*1	19	14
FPMF6-M5	6	M5*0.8	6.5	27	3	9	M14*1	15	14
FPMF6-01	6	PT1/8	9	29.5	3	9	M14*1	15	17
FPMF6-02	6	PT1/4	10	31	3	9	M14*1	15	17
FPMF6-03	6	PT3/8	11	32	3	9	M14*1	19	17
FPMF6-04	6	PT1/2	13	34	3	9	M14*1	24	17
FPMF8-01	8	PT1/8	9	31.4	3.5	9.8	M16*1	17	19
FPMF8-02	8	PT1/4	10	32.9	3.5	9.8	M16*1	17	19
FPMF8-03	8	PT3/8	11	33.9	3.5	9.8	M16*1	19	19
FPMF8-04	8	PT1/2	13	35.9	3.5	9.8	M16*1	24	19
FPMF10-01	10	PT1/8	9	31.5	4.5	8.5	M20*1	21	24
FPMF10-02	10	PT1/4	10	31.5	4.5	8.5	M20*1	21	24
FPMF10-03	10	PT3/8	11	33.5	4.5	8.5	M20*1	21	24
FPMF10-04	10	PT1/2	13	36	4.5	8.5	M20*1	24	24
FPMF12-01	12	PT1/8	9	32.9	4.5	9.5	M22*1	24	27
FPMF12-02	12	PT1/4	10	32.9	4.5	9.5	M22*1	24	27
FPMF12-03	12	PT3/8	11	33.9	4.5	9.5	M22*1	24	27
FPMF12-04	12	PT1/2	13	37.4	4.5	9.5	M22*1	24	27

FPL Series-L-Type Threaded Elbow



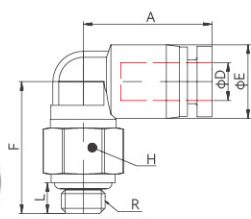
Model	ΦD	R	ΦE	F	L	N	H
FPL4-M5	4	M5*0.8	11	17.6	3.5	18.3	8
FPL6-M5	6	M5*0.8	12.6	19.7	3.5	16.9	8
FPL6-01	6	PT1/8	12.6	19.8	7	24.7	12
FPL6-02	6	PT1/4	12.6	19.8	8	25.7	14
FPL6-03	6	PT3/8	12.6	19.8	9	26.7	17
FPL6-04	6	PT1/2	12.6	19.8	11	28.7	21
FPL8-01	8	PT1/8	14.9	23.1	7	26.9	14
FPL8-02	8	PT1/4	14.9	23.1	8	27.9	14
FPL8-03	8	PT3/8	14.9	23.1	9	28.9	19
FPL8-04	8	PT1/2	14.9	23.1	11	30.9	21
FPL10-01	10	PT1/8	18.1	25.3	7	30	15
FPL10-02	10	PT1/4	18.1	25.3	8	31	15
FPL10-03	10	PT3/8	18.1	25.3	9	32	17
FPL10-04	10	PT1/2	18.1	25.3	11	34	21
FPL12-01	12	PT1/8	20.6	28.6	7	29.7	17
FPL12-02	12	PT1/4	20.6	28.6	8	30.7	17
FPL12-03	12	PT3/8	20.6	28.6	9	31.7	17
FPL12-04	12	PT1/2	20.6	28.6	11	33.7	21

FPLF Series-L-Type Internal Threaded Elbow Through



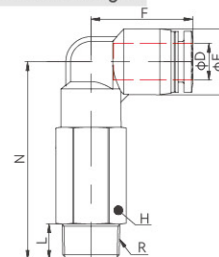
Model	ΦD	R	ΦE	F	L	N	H
FPLF6-M5	6	M5*0.8	12.6	19.8	6.5	18.7	12
FPLF6-01	6	PT1/8	12.6	19.8	9	23.7	12
FPLF6-02	6	PT1/4	12.6	19.8	10	24.7	15
FPLF6-03	6	PT3/8	12.6	19.8	11	25.7	19
FPLF6-04	6	PT1/2	12.6	19.8	13	27.7	24
FPL8F01	8	PT1/8	14.9	23.1	9	25.9	14
FPL8F02	8	PT1/4	14.9	23.1	10	26.9	15
FPL8F03	8	PT3/8	14.9	23.1	11	27.9	19
FPL8F04	8	PT1/2	14.9	23.1	13	29.9	24
FPLF10-01	10	PT1/8	18.1	25.3	9	29	15
FPLF10-02	10	PT1/4	18.1	25.3	10	30	15
FPLF10-03	10	PT3/8	18.1	25.3	11	31	19
FPLF10-04	10	PT1/2	18.1	25.3	13	33	24
FPLF12-01	12	PT1/8	20.6	28.6	9	28.7	17
FPLF12-02	12	PT1/4	20.6	28.6	10	29.7	17
FPLF12-03	12	PT3/8	20.6	28.6	11	30.7	19
FPLF12-04	12	PT1/2	20.6	28.6	13	32.7	24

FPL-C Series-L-Type Threaded Straight Through



Model	ΦD	R	L	A	F	ΦE	H
FPL4-M3-C	4	M3*0.5	3.5	14.7	15	8.4	8
FPL4-M4-C	4	M4*0.7	3.5	14.7	15	8.4	8
FPL4-M5-C	4	M5*0.8	3.5	14.7	15	8.4	8
FPL4-M6-C	4	M6*1.0	5	14.7	16.5	8.4	8
FPL4-01-C	4	PT1/8	7	14.7	16.3	8.4	10
FPL4-02-C	4	PT1/4	8	14.7	17.3	8.4	14
FPL4-G01-C	4	G1/8	5.5	14.7	15.8	8.4	13
FPL6-M3-C	6	M3*0.5	3.5	16.7	15	10.4	8
FPL6-M4-C	6	M4*0.7	3.5	16.7	15	10.4	8
FPL6-M5-C	6	M5*0.8	3.5	16.7	15	10.4	8
FPL6-M6-C	6	M6*1.0	5	16.7	16.5	10.4	8
FPL6-01-C	6	PT1/8	7	16.7	16.3	10.4	10
FPL6-02-C	6	PT1/4	8	16.7	17.3	10.4	14
FPL6-G01-C	6	G1/8	5.5	16.7	15.8	10.4	13

FPLL Series-Longhened L-Type Threaded Elbow Through



Model	ΦD	R	ΦE	F	L	N	H
FPLL6-M5	6	M5*0.8	12.6	19.8	3.5	32.2	10
FPLL6-01	6	PT1/8	12.6	19.8	7	39.2	12
FPLL6-02	6	PT1/4	12.6	19.8	8	42.7	14
FPLL6-03	6	PT3/8	12.6	19.8	9	43.7	17
FPLL6-04	6	PT1/2	12.6	19.8	11	45.7	21
FPLL8-01	8	PT1/8	14.9	23.1	7	43.9	14
FPLL8-02	8	PT1/4	14.9	23.1	8	44.9	14
FPLL8-03	8	PT3/8	14.9	23.1	9	45.9	17
FPLL8-04	8	PT1/2	14.9	23.1	11	47.9	21
FPLL10-01	10	PT1/8	18.1	25.3	7	50.5	15
FPLL10-02	10	PT1/4	18.1	25.3	8	51.5	15
FPLL10-03	10	PT3/8	18.1	25.3	9	52.5	17
FPLL10-04	10	PT1/2	18.1	25.3	11	54.5	21
FPLL12-01	12	PT1/8	20.6	28.6	7	50.2	15
FPLL12-02	12	PT1/4	20.6	28.6	8	51.2	15
FPLL12-03	12	PT3/8	20.6	28.6	9	52.2	17
FPLL12-04	12	PT1/2	20.6	28.6	11	54.2	21

FP Series Joint

FPH Series-External hex



Model	ΦD	R	ΦE	L	A	B	C	H
FPH4-M5	4	M5×0.8	11	3.5	20.9	11.3	18.6	8
FPH4-01	4	PT1/8	11	7	21.9	14.5	23.9	11
FPH4-02	4	PT1/4	11	8	23.9	16.3	26.5	15
FPH4-03	4	PT3/8	11	9	27.2	18.3	31	19
FPH6-M5	6	M5×0.8	12.6	3.5	22.9	12	18.6	8
FPH6-01	6	PT1/8	12.6	7	24.3	14.5	23.9	11
FPH6-02	6	PT1/4	12.6	8	25.3	16.1	26.5	15
FPH6-03	6	PT3/8	12.6	10	27.5	18.3	31	19
FPH6-04	6	PT1/2	12.6	7	28.9	21.4	35	22
FPH8-01	8	PT1/8	14.9	8	26.3	15.5	23.9	11
FPH8-02	8	PT1/4	14.9	9	28.4	17.1	26.5	15
FPH8-03	8	PT3/8	14.9	10	29.4	18.3	31	19
FPH8-04	8	PT1/2	14.9	7	31.3	21	35	22
FPH10-01	10	PT1/8	18.1	8	29.5	17.2	23.9	11
FPH10-02	10	PT1/4	18.1	9	30.9	18.6	26.5	15
FPH10-03	10	PT3/8	18.1	10	31.6	19.6	31	19
FPH10-04	10	PT1/2	18.1	7	33	22.3	35	22
FPH12-01	12	PT1/8	20.5	8	31	18.5	23.9	11
FPH12-02	12	PT1/4	20.5	9	32.6	19.9	26.5	15
FPH12-03	12	PT3/8	20.5	9	34.5	20.8	31	19
FPH12-04	12	PT1/2	20.5	10	34.6	22.5	35	22

FSL Series-L-Type Throttle Valve



Model	ΦD	R	ΦE	L	A	B	C	H
FSL4-M5	4	M5×0.8	11	3.5	20.9	11.3	18.6	8
FSL4-01	4	PT1/8	11	7.5	21.9	15	24.4	11
FSL4-02	4	PT1/4	11	10	23.9	18.3	28.6	15
FSL4-03	4	PT3/8	11	10.4	27.2	19.7	32.4	19
FSL6-M5	6	M5×0.8	12.6	3.5	22.9	12	18.6	8
FSL6-01	6	PT1/8	12.6	7.5	24.3	15	24.4	11
FSL6-02	6	PT1/4	12.6	10	25.3	18.1	28.6	15
FSL6-03	6	PT3/8	12.6	10.4	27.5	19.7	32.4	19
FSL6-04	6	PT1/2	12.6	12	28.9	23.4	37	22
FSL8-01	8	PT1/8	14.9	7.5	26.3	16	24.4	11
FSL8-02	8	PT1/4	14.9	10	28.4	19.1	28.6	15
FSL8-03	8	PT3/8	14.9	10.4	29.4	19.7	32.4	19
FSL8-04	8	PT1/2	14.9	12	31.3	23	37	22
FSL10-01	10	PT1/8	18.1	7.5	29.5	17.7	24.4	11
FSL10-02	10	PT1/4	18.1	10	30.9	20.8	28.6	15
FSL10-03	10	PT3/8	18.1	10.4	31.6	21	32.4	19
FSL10-04	10	PT1/2	18.1	12	33	24.3	37	22
FSL12-01	12	PT1/8	20.5	7.5	31	19	24.4	11
FSL12-02	12	PT1/4	20.5	10	32.6	21.9	28.6	15
FSL12-03	12	PT3/8	20.5	10.4	34.5	22.2	32.4	19
FSL12-04	12	PT1/2	20.5	12	34.6	24.5	37	22

FPM Series-Bulkhead Straight Through



Model	ΦD	A	C	E	M	H
FPM-4	4	29.6	3	11.6	M12×1	14
FPM-6	6	33	3	13	M14×1	17
FPM-8	8	33.8	3.5	11.6	M16×1	19
FPM-10	10	38	4.5	13	M20×1	24
FPM-12	12	40.8	4.5	15	M22×1	27
FPM-14	14	43.7	4.5	17	M24×1	27
FPM-16	16	46.6	6	18	M26×1	30

FPLM Series-Bulkhead Straight Through



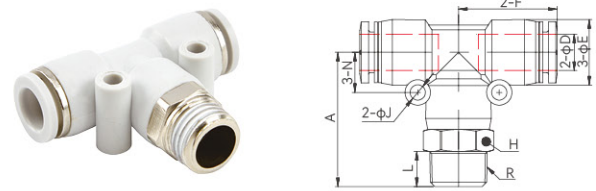
Model	ΦD	M	ΦE	F	L	A	ΦJ	G	N	H	K
FPLM-4	4	M12×1	11	17.6	8.5	7	3.2	3	36	14	14
FPLM-6	6	M14×1	12.6	20	9	8	3.5	3	39.5	15	17
FPLM-8	8	M16×1	14.9	22.5	9.8	9.1	3.5	3.5	43.5	17	19
FPLM-10	10	M20×1	18.1	26.7	8.5	11.2	4.5	4.5	47.2	21	24
FPLM-12	12	M22×1	20.5	28.6	9.5	12.4	4.5	4.5	50.2	24	27

FPX Series- Y-Type Threaded Three-Way



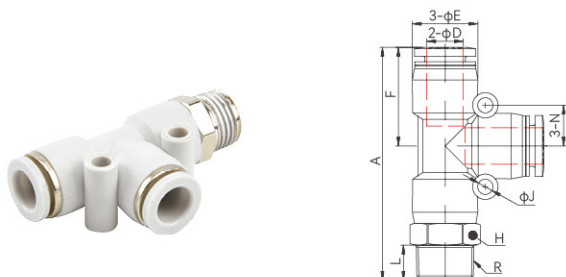
Model	ΦD	R	ΦE	N	L	B	A	ΦJ	H
FPX4-M5	4	M5*0.8	11	14	3.5	10.6	37.8	3.2	10
FPX4-01	4	PT1/8	11	14	7	10.6	41.3	3.2	10
FPX4-02	4	PT1/4	11	14	8	10.6	42.3	3.2	14
FPX4-03	4	PT3/8	11	14	9	10.6	43.3	3.2	17
FPX6-M5	6	M5*0.8	12.6	15.6	3.5	12.5	41.1	3.5	12
FPX6-01	6	PT1/8	12.6	15.6	7	12.5	44.6	3.5	12
FPX6-02	6	PT1/4	12.6	15.6	8	12.5	45.6	3.5	14
FPX6-03	6	PT3/8	12.6	15.6	9	12.5	46.6	3.5	17
FPX6-04	6	PT1/2	12.6	15.6	11	12.5	48.6	3.5	21
FPX8-01	8	PT1/8	14.9	16.9	7	14.5	48.6	3.5	14
FPX8-02	8	PT1/4	14.9	16.9	8	14.5	49.6	3.5	14
FPX8-03	8	PT3/8	14.9	16.9	9	14.5	50.6	3.5	17
FPX8-04	8	PT1/2	14.9	16.9	11	14.5	52.6	3.5	21
FPX10-01	10	PT1/8	18.1	19.5	7	17.9	53	4.5	17
FPX10-02	10	PT1/4	18.1	19.5	8	17.9	54	4.5	17
FPX10-03	10	PT3/8	18.1	19.5	9	17.9	55	4.5	17
FPX10-04	10	PT1/2	18.1	19.5	11	17.9	57	4.5	21
FPX12-01	12	PT1/8	20.5	20.4	7	20.2	56.9	4.5	19
FPX12-02	12	PT1/4	20.5	20.4	8	20.2	57.9	4.5	19
FPX12-03	12	PT3/8	20.5	20.4	9	20.2	58.9	4.5	19
FPX12-04	12	PT1/2	20.5	20.4	11	20.2	60.9	4.5	21
FPX14-02	14	PT1/4	23	21.4	8	22.6	60.9	4.5	21
FPX14-03	14	PT3/8	23	21.4	9	22.6	61.9	4.5	21
FPX14-04	14	PT1/2	23	21.4	11	22.6	63.9	4.5	21
FPX16-02	16	PT1/4	25	22.4	8	24.9	65.1	4.5	24
FPX16-03	16	PT3/8	25	22.4	9	24.9	66.1	4.5	24
FPX16-04	16	PT1/2	25	22.4	11	24.9	68.1	4.5	24
FPX16-06	16	PT3/4	25	22.4	13	24.9	70.1	4.5	27

FPB Series-T-Type Threaded Straight Three-Way



Model	ΦD	R	ΦE	F	L	N	A	ΦJ	H
FPB4-M5	4	M5*0.8	11	17.6	3.5	7	22	3.2	10
FPB4-01	4	PT1/8	11	17.6	7	7	25.5	3.2	10
FPB4-02	4	PT1/4	11	17.6	8	7	26.5	3.2	14
FPB4-03	4	PT3/8	11	17.6	9	7	27.5	3.2	17
FPB6-M5	6	M5*0.8	12.6	20	3.5	8.3	24	3.5	12
FPB6-01	6	PT1/8	12.6	20	7	8.3	27.5	3.5	12
FPB6-02	6	PT1/4	12.6	20	8	8.3	28.5	3.5	14
FPB6-03	6	PT3/8	12.6	20	9	8.3	29.5	3.5	17
FPB6-04	6	PT1/2	12.6	22.4	11	8.3	31.5	3.5	21
FPB8-01	8	PT1/8	14.9	22.4	7	9.3	29.5	3.5	14
FPB8-02	8	PT1/4	14.9	22.4	8	9.3	30.5	3.5	14
FPB8-03	8	PT3/8	14.9	22.4	9	9.3	31.5	3.5	17
FPB8-04	8	PT1/2	14.9	26.5	11	9.3	33.5	3.5	21
FPB10-01	10	PT1/8	18.1	26.5	7	11.3	33	4.5	17
FPB10-02	10	PT1/4	18.1	26.5	8	11.3	34	4.5	17
FPB10-03	10	PT3/8	18.1	26.5	9	11.3	35	4.5	17
FPB10-04	10	PT1/2	18.1	26.5	11	11.3	37	4.5	21
FPB12-01	12	PT1/8	20.5	28.6	7	12.7	35	4.5	19
FPB12-02	12	PT1/4	20.5	28.6	8	12.7	36	4.5	19
FPB12-03	12	PT3/8	20.5	28.6	9	12.7	37	4.5	19
FPB12-04	12	PT1/2	20.5	28.6	11	12.7	39	4.5	21
FPB14-02	14	PT1/4	23	30.9	8	13.8	37.8	4.5	21
FPB14-03	14	PT3/8	23	30.9	9	13.8	38.8	4.5	21
FPB14-04	14	PT1/2	23	30.9	11	13.8	40.8	4.5	21
FPB16-02	16	PT1/4	25	32.8	8	13.8	40.7	4.5	24
FPB16-03	16	PT3/8	25	32.8	9	13.8	41.3	4.5	24
FPB16-04	16	PT1/2	25	32.8	11	13.8	43.7	4.5	24
FPB16-06	16	PT3/4	25	32.8	13	13.8	45.7	4.5	27

FPD Series-T-Type Threaded Side Three-Way



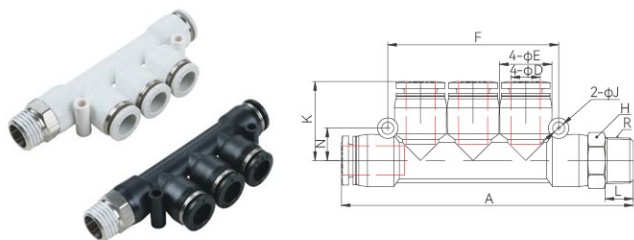
Model	ΦD	R	ΦE	F	L	N	A	ΦJ	H
FPD4-M5	4	M5*0.8	11	17.6	3.5	7	39.6	3.2	10
FPD4-01	4	PT1/8	11	17.6	7	7	43.1	3.2	10
FPD4-02	4	PT1/4	11	17.6	8	7	44.1	3.2	14
FPD4-03	4	PT3/8	11	17.6	9	7	45.1	3.2	17
FPD6-M5	6	M5*0.8	12.6	20	3.5	8.3	44	3.5	12
FPD6-01	6	PT1/8	12.6	20	7	8.3	47.5	3.5	12
FPD6-02	6	PT1/4	12.6	20	8	8.3	48.5	3.5	14
FPD6-03	6	PT3/8	12.6	20	9	8.3	49.5	3.5	17
FPD6-04	6	PT1/2	12.6	22.4	11	8.3	51.5	3.5	21
FPD8-01	8	PT1/8	14.9	22.4	7	9.3	52	3.5	14
FPD8-02	8	PT1/4	14.9	22.4	8	9.3	53	3.5	14
FPD8-03	8	PT3/8	14.9	22.4	9	9.3	54	3.5	17
FPD8-04	8	PT1/2	14.9	26.5	11	9.3	56	3.5	21
FPD10-01	10	PT1/8	18.1	26.5	7	11.3	59.5	4.5	17
FPD10-02	10	PT1/4	18.1	26.5	8	11.3	60.5	4.5	17
FPD10-03	10	PT3/8	18.1	26.5	9	11.3	61.5	4.5	17
FPD10-04	10	PT1/2	18.1	26.5	11	11.3	63.5	4.5	21
FPD12-01	12	PT1/8	20.5	28.6	7	12.7	63.6	4.5	19
FPD12-02	12	PT1/4	20.5	28.6	8	12.7	64.6	4.5	19
FPD12-03	12	PT3/8	20.5	28.6	9	12.7	65.6	4.5	19
FPD12-04	12	PT1/2	20.5	28.6	11	12.7	67.6	4.5	21
FPD14-02	14	PT1/4	23	30.9	8	13.8	68.7	4.5	21
FPD14-03	14	PT3/8	23	30.9	9	13.8	69.7	4.5	21
FPD14-04	14	PT1/2	23	30.9	11	13.8	71.7	4.5	21
FPD16-02	16	PT1/4	25	32.8	8	13.8	73.6	4.5	24
FPD16-03	16	PT3/8	25	32.8	9	13.8	74.6	4.5	24
FPD16-04	16	PT1/2	25	32.8	11	13.8	76.6	4.5	24
FPD16-06	16	PT3/4	25	32.8	13	13.8	78.6	4.5	27

FPZB Series-Cross threaded four-way connection



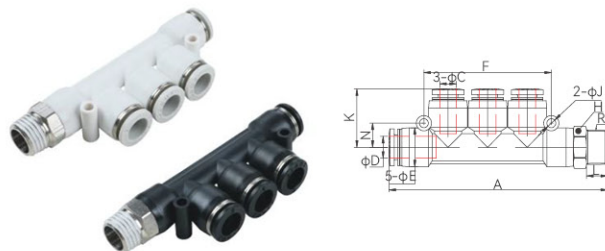
Model	ΦD	R	ΦE	N	L	B	A	ΦJ	F	H
FPZB4-M5	4	M5*0.8	11	7.2	3.5	14.5	35.2	3.2	39.6	10
FPZB4-01	4	PT1/8	11	7.2	7	14.5	35.2	3.2	43.1	10
FPZB4-02	4	PT1/4	11	7.2	8	14.5	35.2	3.2	44.1	14
FPZB4-03	4	PT3/8	11	7.2	9	14.5	35.2	3.2	45.1	17
FPZB6-M5	6	M5*0.8	12.6	8.2	3.5	16.5	40	3.5	44	12
FPZB6-01	6	PT1/8	12.6	8.2	7	16.5	40	3.5	47.5	12
FPZB6-02	6	PT1/4	12.6	8.2	8	16.5	40	3.5	48.5	14
FPZB6-03	6	PT3/8	12.6	8.2	9	16.5	40	3.5	49.5	17
FPZB6-04	6	PT1/2	12.6	8.2	11	16.5	40	3.5	51.5	21
FPZB8-01	8	PT1/8	14.9	9.2	7	18.5	44.9	3.5	52	14
FPZB8-02	8	PT1/4	14.9	9.2	8	18.5	44.9	3.5	53	14
FPZB8-03	8	PT3/8	14.9	9.2	9	18.5	44.9	3.5	54	17
FPZB8-04	8	PT1/2	14.9	9.2	11	18.5	44.9	3.5	56	21
FPZB10-01	10	PT1/8	18.1	11.2	7	22.5	52.9	4.5	59.4	17
FPZB10-02	10	PT1/4	18.1	11.2	8	22.5	52.9	4.5	60.4	17
FPZB10-03	10	PT3/8	18.1	11.2	9	22.5	52.9	4.5	61.4	17
FPZB10-04	10	PT1/2	18.1	11.2	11	22.5	52.9	4.5	63.4	21
FPZB12-01	12	PT1/8	20.5	12.6	7	25.3	57	4.5	63.3	19
FPZB12-02	12	PT1/4	20.5	12.6	8	25.3	57	4.5	64.3	19
FPZB12-03	12	PT3/8	20.5	12.6	9	25.3	57	4.5	65.3	19
FPZB12-04	12	PT1/2	20.5	12.6	11	25.3	57	4.5	67.3	21

FPKB Series-Threaded five-way connection



Model	ΦD	R	ΦE	N	L	F	A	ΦJ	K	H
FPKB4-M5	4	M5×0.8	11	7.2	3.5	37.5	62.9	3.2	17.6	10
FPKB4-01	4	PT1/8	11	7.2	7	37.5	66.1	3.2	17.6	10
FPKB4-02	4	PT1/4	11	7.2	8	37.5	67.1	3.2	17.6	14
FPKB4-03	4	PT3/8	11	7.2	9	37.5	68.1	3.2	17.6	17
FPKB6-M5	6	M5×0.8	12.6	8.2	3.5	42.4	70	3.5	20	12
FPKB6-01	6	PT1/8	12.6	8.2	7	42.4	73.5	3.5	20	12
FPKB6-02	6	PT1/4	12.6	8.2	8	42.4	74.5	3.5	20	14
FPKB6-03	6	PT3/8	12.6	8.2	9	42.4	75.5	3.5	20	17
FPKB6-04	6	PT1/2	12.6	8.2	11	42.4	77.5	3.5	20	21
FPKB8-01	8	PT1/8	14.9	9.2	7	48.6	82	3.5	22.4	14
FPKB8-02	8	PT1/4	14.9	9.2	8	48.6	83	3.5	22.4	14
FPKB8-03	8	PT3/8	14.9	9.2	9	48.6	84	3.5	22.4	17
FPKB8-04	8	PT1/2	14.9	9.2	11	48.6	86	3.5	22.4	21
FPKB10-01	10	PT1/8	18.1	11.2	7	59	95.9	4.5	26.4	17
FPKB10-02	10	PT1/4	18.1	11.2	8	59	96.9	4.5	26.4	17
FPKB10-03	10	PT3/8	18.1	11.2	9	59	97.9	4.5	26.4	17
FPKB10-04	10	PT1/2	18.1	11.2	11	59	99.9	4.5	26.4	21
FPKB12-01	12	PT1/8	20.5	12.6	7	66.2	104.3	4.5	28.7	19
FPKB12-02	12	PT1/4	20.5	12.6	8	66.2	105.3	4.5	28.7	19
FPKB12-03	12	PT3/8	20.5	12.6	9	66.2	106.3	4.5	28.7	19
FPKB12-04	12	PT1/2	20.5	12.6	11	66.2	108.3	4.5	28.7	21

FPKD Series- Threaded Five-Way Reducer



Model	ΦD	ΦC	R	ΦE	N	L	F	A	ΦJ	K	H
FPKD6-4-M5	6	4	M5×0.8	12.6	8.2	3.5	42.4	70	3.5	19.6	12
FPKD6-4-01	6	4	PT1/8	12.6	8.2	7	42.4	73.5	3.5	19.6	12
FPKD6-4-02	6	4	PT1/4	12.6	8.2	8	42.4	74.5	3.5	19.6	14
FPKD6-4-03	6	4	PT3/8	12.6	8.2	9	42.4	75.5	3.5	19.6	17
FPKD6-4-04	6	4	PT1/2	12.6	8.2	11	42.4	77.5	3.5	19.6	21
FPKD8-4-01	8	4	PT1/8	14.9	9.2	7	48.6	82	3.5	21.6	14
FPKD8-4-02	8	4	PT1/4	14.9	9.2	8	48.6	83	3.5	21.6	14
FPKD8-4-03	8	4	PT3/8	14.9	9.2	9	48.6	84	3.5	21.6	17
FPKD8-4-04	8	4	PT1/2	14.9	9.2	11	48.6	86	3.5	21.6	21
FPKD8-6-01	8	6	PT1/8	14.9	9.2	7	48.6	82	3.5	22	14
FPKD8-6-02	8	6	PT1/4	14.9	9.2	8	48.6	83	3.5	22	14
FPKD8-6-03	8	6	PT3/8	14.9	9.2	9	48.6	84	3.5	22	17
FPKD8-6-04	8	6	PT1/2	14.9	9.2	11	48.6	86	3.5	22	21
FPKD10-6-01	10	6	PT1/8	18.1	11.2	7	59	95.9	4.5	25.4	17
FPKD10-6-02	10	6	PT1/4	18.1	11.2	8	59	96.9	4.5	25.4	17
FPKD10-6-03	10	6	PT3/8	18.1	11.2	9	59	97.9	4.5	25.4	17
FPKD10-6-04	10	6	PT1/2	18.1	11.2	11	59	99.9	4.5	25.4	21
FPKD10-8-01	10	8	PT1/8	18.1	11.2	7	59	95.9	4.5	25.8	17
FPKD10-8-02	10	8	PT1/4	18.1	11.2	8	59	96.9	4.5	25.8	17
FPKD10-8-03	10	8	PT3/8	18.1	11.2	9	59	97.9	4.5	25.8	17
FPKD10-8-04	10	8	PT1/2	18.1	11.2	11	59	99.9	4.5	25.8	21
FPKD12-8-01	12	8	PT1/8	20.5	12.6	7	66.2	104.3	4.5	27.9	19
FPKD12-8-02	12	8	PT1/4	20.5	12.6	8	66.2	105.3	4.5	27.9	19
FPKD12-8-03	12	8	PT3/8	20.5	12.6	9	66.2	106.3	4.5	27.9	19
FPKD12-8-04	12	8	PT1/2	20.5	12.6	11	66.2	108.3	4.5	27.9	21
FPKD12-10-01	12	10	PT1/8	20.5	12.6	7	66.2	104.3	4.5	28.5	19
FPKD12-10-02	12	10	PT1/4	20.5	12.6	8	66.2	105.3	4.5	28.5	19
FPKD12-10-03	12	10	PT3/8	20.5	12.6	9	66.2	106.3	4.5	28.5	19
FPKD12-10-04	12	10	PT1/2	20.5	12.6	11A	66.2	108.3	4.5	28.5	21

FVPU Series-One-way valve straight-connection



Model	ΦD	ΦE	ΦB	A
FVPU-4	4	11	10	51.1
FVPU-6	6	12.6	12	53
FVPU-8	8	14.9	14	59.5
FVPU-10	10	18.1	17	64.2
FVPU-12	12	20.5	19	72.7

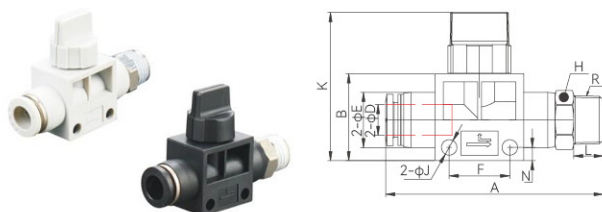
FVPV Series-L-Type One-way valve straight-connection



Model	ΦD	ΦE	ΦB	F	N	A	ΦJ
FVPV-4	4	10	11	17.6	36.9	7	3.2
FVPV-6	6	12	12.6	20	40	8	3.5
FVPV-8	8	14	14.9	22.5	44.2	9.1	3.5
FVPV-10	10	17	18.1	26.7	48.9	11.2	4.5
FVPV-12	12	19	20.5	28.6	53.1	12.4	4.5

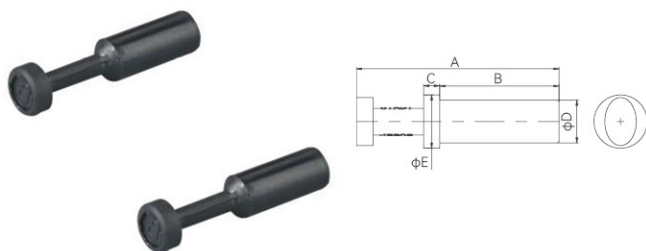
Quick Joint FP

FHVFS Series- Threaded hand valve



Model	ΦD	R	ΦE	F	L	N	A	B	K	ΦJ	H
FHVFS4-M5	4	M5×0.8	13	16.4	3.5	3.6	51.2	23.5	40	4.2	12
FHVFS4-01	4	PT1/8	13	16.4	7	3.6	54.7	23.5	40	4.2	12
FHVFS4-02	4	PT1/4	13	16.4	8	3.6	55.7	23.5	40	4.2	14
FHVFS4-03	4	PT3/8	13	16.4	9	3.6	56.7	23.5	40	4.2	17
FHVFS6-M5	6	M5×0.8	13	16.4	3.5	3.6	51.6	23.5	40	4.2	12
FHVFS6-01	6	PT1/8	13	16.4	7	3.6	55.1	23.5	40	4.2	12
FHVFS6-02	6	PT1/4	13	16.4	8	3.6	56.1	23.5	40	4.2	14
FHVFS6-03	6	PT3/8	13	16.4	9	3.6	57.1	23.5	40	4.2	17
FHVFS6-04	6	PT1/2	13	16.4	11	3.6	59.1	23.5	40	4.2	21
FHVFS8-01	8	PT1/8	15	16.4	7	3.6	57.8	23.5	40	4.2	14
FHVFS8-02	8	PT1/4	15	16.4	8	3.6	58.8	23.5	40	4.2	14
FHVFS8-03	8	PT3/8	15	16.4	9	3.6	59.8	23.5	40	4.2	17
FHVFS8-04	8	PT1/2	15	16.4	11	3.6	61.8	23.5	40	4.2	21
FHVFS10-01	10	PT1/8	20.3	21.5	7	4	10.3	27.9	44.5	4.2	17
FHVFS10-02	10	PT1/4	20.3	21.5	8	4	71.3	27.9	44.5	4.2	17
FHVFS10-03	10	PT3/8	20.3	21.5	9	4	72.3	27.9	44.5	4.2	17
FHVFS10-04	10	PT1/2	20.3	21.5	11	4	75.3	27.9	44.5	4.2	21
FHVFS12-01	12	PT1/8	20.3	21.5	7	4	70.5	27.9	44.5	4.2	19
FHVFS12-02	12	PT1/4	20.3	21.5	8	4	71.5	27.9	44.5	4.2	19
FHVFS12-03	12	PT3/8	20.3	21.5	9	4	72.5	27.9	44.5	4.2	19
FHVFS12-04	12	PT1/2	20.3	21.5	11	4	74.5	27.9	44.5	4.2	21

FPP Series-Plug pipe



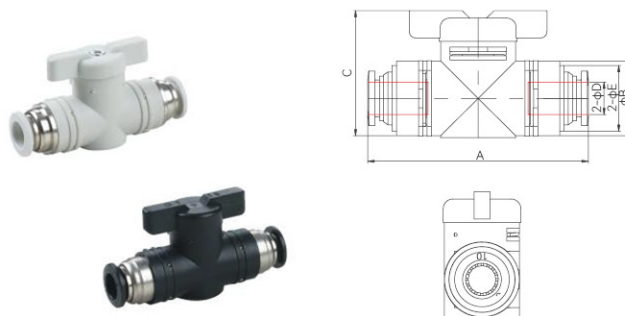
Model	ΦD	ΦE	A	B	C
FPP-4	4	5.9	30.3	19.2	3.1
FPP-6	6	8	34.5	20.3	3.1
FPP-8	8	10	38	22.4	3.1
FPP-10	10	12	41	25	3
FPP-12	12	14	42.6	27	3
FPP-14	14	-	46.1	24.5	-

FNRC Series-High-speed rotary straight-connection



Model	ΦD	R	ΦE	L	A	H
FNRC4-M5	4	M5×0.8	11	3.5	42.9	8
FNRC4-01	4	PT1/8	11	7	46.5	12
FNRC4-02	4	PT1/4	11	8	47.5	14
FNRC6-M5	6	M5×0.8	12.6	3.5	42.1	8
FNRC6-01	6	PT1/8	12.6	7	45.7	12
FNRC6-02	6	PT1/4	12.6	8	46.7	14
FNRC8-01	8	PT1/8	14.9	7	50.6	14
FNRC8-02	8	PT1/4	14.9	8	51.6	14
FNRC8-03	8	PT3/8	14.9	9	52.6	17
FNRC8-04	8	PT1/2	14.9	11	54.6	21
FNRC10-01	10	PT1/8	18.1	7	54.7	17
FNRC10-02	10	PT1/4	18.1	8	55.7	17
FNRC10-03	10	PT3/8	18.1	9	56.7	17
FNRC10-04	10	PT1/2	18.1	11	58.7	21
FNRC12-01	12	PT1/8	20.5	7	60.1	17
FNRC12-02	12	PT1/4	20.5	8	61.1	17
FNRC12-03	12	PT3/8	20.5	9	62.1	17
FNRC12-04	12	PT1/2	20.5	11	64.1	21

FBUC Series- External Threaded Straight Through ball valve



Model	ΦD	ΦE	B	A	C
FBUC-4	4	16	16	50.2	31.4
FBUC-6	6	16	16.5	54.8	31.4
FBUC-8	8	25	16.8	60	31.4
FBUC-10	10	21	23.8	69.6	40.5
FBUC-12	12	21	23.8	75.9	40.5

FNRL Series-L-Shaped High-Speed Rotary Curved-Connection



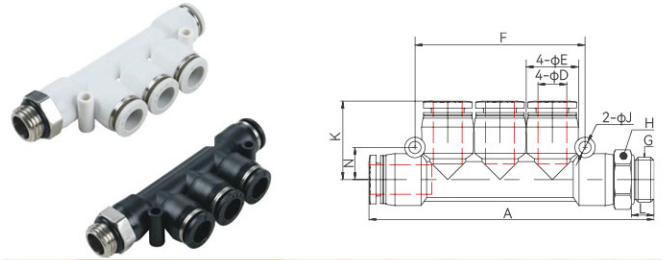
Model	ΦD	R	ΦE	F	L	N	A	ΦJ	H
FNRL4-M5	4	M5×0.8	11	19.6	3.5	29.1	8	3.5	8
FNRL4-01	4	PT1/8	11	19.6	7	21.7	8	3.5	12
FNRL4-02	4	PT1/4	11	19.6	8	33.7	8	3.5	14
FNRL6-M5	6	M5×0.8	12.6	20	3.5	29.1	8	3.5	8
FNRL6-01	6	PT1/8	12.6	20	7	32.7	8	3.5	12
FNRL6-02	6	PT1/4	12.6	20	8	33.7	8	3.5	14
FNRL8-01	8	PT1/8	14.9	22.5	7	35.3	9.1	3.5	14
FNRL8-02	8	PT1/4	14.9	22.5	8	36.3	9.1	3.5	14
FNRL8-03	8	PT3/8	14.9	22.5	9	37.3	9.1	3.5	17
FNRL8-04	8	PT1/2	14.9	22.5	11	39.3	9.1	3.5	21
FNRL10-01	10	PT1/8	18.1	26.7	7	39.4	11.2	4.5	17
FNRL10-02	10	PT1/4	18.1	26.7	8	40.4	11.2	4.5	17
FNRL10-03	10	PT3/8	18.1	26.7	9	41.4	11.2	4.5	17
FNRL10-04	10	PT1/2	18.1	26.7	11	43.4	11.2	4.5	21
FNRL12-01	12	PT1/8	20.5	28.6	7	41.1	12.4	4.5	17
FNRL12-02	12	PT1/4	20.5	28.6	8	42.1	12.4	4.5	17
FNRL12-03	12	PT3/8	20.5	28.6	9	43.1	12.4	4.5	17
FNRL12-04	12	PT1/2	20.5	28.6	11	45.1	12.4	4.5	21

FPEG-2 Series

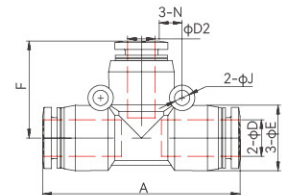


Model	ΦD	ΦD2	ΦE	N	ΦJ	F	A
FPEG6-4	6	4	12.6	8.3	3.5	19.6	40
FPEG8-4	8	4	14.9	9.3	3.5	21.6	44.8
FPEG8-6	8	6	14.9	9.3	3.5	22	44.8
FPEG10-6	10	6	18.1	11.3	4.5	25.5	53
FPEG10-8	10	8	18.1	11.3	4.5	25.9	53
FPEG12-6	12	6	20.5	12.7	4.5	27.4	57.2
FPEG12-8	12	8	20.5	12.7	4.5	27.8	57.2

FPKB-G Series- Side threaded five-way connection

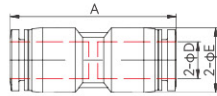


Model	ΦD	G	ΦE	N	L	F	A	ΦJ	K	H
FPKB4-G01	4	G1/8	11	7.2	5.5	37.5	64.6	3.2	17.6	12
FPKB4-G02	4	G1/4	11	7.2	6.5	37.5	65.6	3.2	17.6	15
FPKB4-G03	4	G3/8	11	7.2	7.5	37.5	66.6	3.2	17.6	19
FPKB6-G01	6	G1/8	12.6	8.2	5.5	42.4	72	3.5	20	12
FPKB6-G02	6	G1/4	12.6	8.2	6.5	42.4	73	3.5	20	15
FPKB6-G03	6	G3/8	12.6	8.2	7.5	42.4	74	3.5	20	19
FPKB6-G04	6	G1/2	12.6	8.2	8	42.4	74.5	3.5	20	24
FPKB8-G01	8	G1/8	14.9	9.2	5.5	48.6	80.5	3.5	22.4	14
FPKB8-G02	8	G1/4	14.9	9.2	6.5	48.6	81.5	3.5	22.4	15
FPKB8-G03	8	G3/8	14.9	9.2	7.5	48.6	82.5	3.5	22.4	19
FPKB8-G04	8	G1/2	14.9	9.2	8	48.6	83	3.5	22.4	24
FPKB10-G01	10	G1/8	18.1	11.2	5.5	59	94.4	4.5	26.4	17
FPKB10-G02	10	G1/4	18.1	11.2	6.5	59	95.4	4.5	26.4	17
FPKB10-G03	10	G3/8	18.1	11.2	7.5	59	96.4	4.5	26.4	19
FPKB10-G04	10	G1/2	18.1	11.2	8	59	96.9	4.5	26.4	24
FPKB12-G01	12	G1/8	20.5	12.6	5.5	66.2	102.8	4.5	28.7	19
FPKB12-G02	12	G1/4	20.5	12.6	6.5	66.2	103.8	4.5	28.7	19
FPKB12-G03	12	G3/8	20.5	12.6	7.5	66.2	104.8	4.5	28.7	19
FPKB12-G04	12	G1/2	20.5	12.6	8	66.2	105.3	4.5	28.7	24



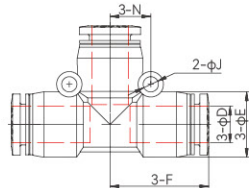
Model	ΦD	ΦD2	ΦE	N	ΦJ	F	A
FPEG12-10	12	10	20.5	12.7	4.5	28.4	57.2
FPEG14-10	14	10	23	13.8	4.5	30.3	61.8
FPEG14-12	14	12	23	13.8	4.5	30.5	61.8
FPEG16-10	16	10	25	14.8	4.5	32.2	65.6
FPEG16-12	16	12	25	14.8	4.5	32.4	65.6
FPEG16-14	16	14	25	14.8	4.5	32.8	65.6

FPU Series-Straight-connection



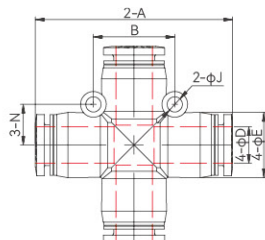
Model	ΦD	ΦE	A
FPU-4	4	11	31.8
FPU-6	6	12.6	33
FPU-8	8	14.9	37.8
FPU-10	10	18.1	42
FPU-12	12	20.5	48.2
FPU-14	14	23	49.3
FPU-16	16	25	53.1

FPE Series-T-Type Three-Way



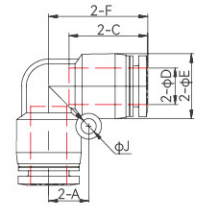
Model	ΦD	ΦE	N	ΦJ	F
FPE-4	4	11	7	3.2	17.6
FPE-6	6	12.6	8	3.5	20
FPE-8	8	14.9	9.1	3.5	22.4
FPE-10	10	18.1	11.2	4.5	26.5
FPE-12	12	20.5	12.4	4.5	28.6
FPE-14	14	23	14.2	4.5	30.9
FPE-16	16	25	14.8	4.5	32.8

FPZA Series-Cross four-way connection



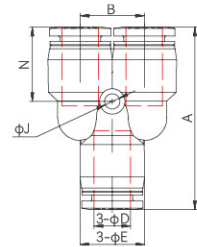
Model	ΦD	ΦE	N	ΦJ	B	A
FPZA-4	4	11	7.2	3.2	14.5	35.2
FPZA-6	6	12.6	8.2	3.5	16.5	40
FPZA-8	8	14.9	9.2	3.5	18.5	44.9
FPZA-10	10	18.1	11.2	4.5	22.5	52.9
FPZA-12	12	20.5	12.6	4.5	25.3	57

FPV Series-L-Type Elbow Through



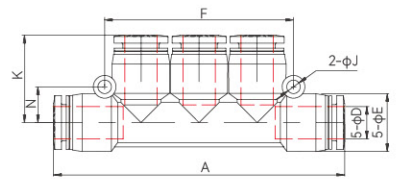
Model	ΦD	ΦE	F	A	ΦJ
FPV-4	4	11	17.6	7	3.2
FPV-6	6	12.6	20	8	3.5
FPV-8	8	14.9	22.5	9.1	3.5
FPV-10	10	18.1	26.7	11.2	4.5
FPV-12	12	20.5	28.6	12.4	4.5
FPV-14	14	23	31.2	14.2	4.5
FPV-16	16	25	33.1	14.8	4.5

FPY Series-Y-Type Three-Way



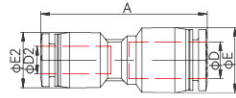
Model	ΦD	ΦE	N	ΦJ	B	A
FPF4	4	11	14	3.2	10.6	33.4
FPF6	6	12.6	15.6	3.5	12.5	37.1
FPF8	8	14.9	16.9	3.5	14.5	41.5
FPF10	10	18.1	19.5	4.5	17.9	46.5
FPF12	12	20.5	20.4	4.5	20.2	50.6
FPF14	14	23	21.4	4.5	22.6	54
FPF16	16	25	22.4	4.5	24.9	57.2

FPK Series-Five-Way



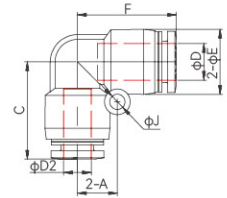
Model	ΦD	ΦE	N	ΦJ	A	F	K
FPK-4	4	11	7.2	3.2	58.2	37.5	17.6
FPK-6	6	12.6	8.2	3.5	66	42.4	20
FPK-8	8	14.9	9.2	3.5	74.9	48.6	22.4
FPK-10	10	18.1	11.2	4.5	89.4	59	26.4
FPK-12	12	20.5	12.6	4.5	98	66.2	28.7

FPG Series- Straight Through Reducer



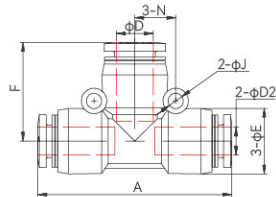
Model	ΦD	ΦD2	ΦE	ΦE2	A
FPG6-4	6	4	12.6	11	33.8
FPG8-4	8	4	14.9	12.6	37.4
FPG8-6	8	6	14.9	12.6	37.9
FPG10-6	10	6	18.1	14.9	42.1
FPG10-8	10	8	18.1	14.9	42.5
FPG12-6	12	6	20.5	18.1	46.4
FPG12-8	12	8	20.5	18.1	46.8
FPG12-10	12	10	20.5	18.1	47.4
FPG14-10	14	10	23	23	48.7
FPG14-12	14	12	23	23	48.9
FPG16-10	16	10	25	25	52.5
FPG16-12	16	12	25	25	52.7
FPG16-14	16	14	25	25	53.1

FPVG Series-L-Type Elbow Through Reducer



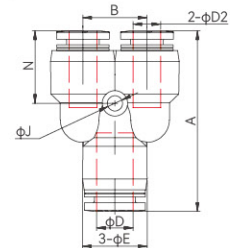
Model	ΦD	ΦD2	ΦE	ΦJ	F	A	C
FPVG6-4	6	4	12.6	3.5	20	8	19.6
FPVG8-4	8	4	14.9	3.5	22.5	9.1	21.7
FPVG8-6	8	6	14.9	3.5	22.5	9.1	22.1
FPVG10-6	10	6	18.1	4.5	26.7	11.2	25.7
FPVG10-8	10	8	18.1	4.5	26.7	11.2	25.9
FPVG12-8	12	8	20.5	4.5	28.6	12.4	27.8
FPVG12-10	12	10	20.5	4.5	28.6	12.4	28.4
FPVG14-12	14	12	23	4.5	31.2	14.2	30.8
FPVG16-12	16	12	25	4.5	33.1	14.8	32.7
FPVG16-14	16	14	25	4.5	33.1	14.8	33.1

FPEG Series- T-Type Three-Way Reducer



Model	ΦD	ΦD2	ΦE	N	ΦJ	F	A
FPEG6-4	6	4	12.6	8.3	3.5	20	39.2
FPEG8-4	8	4	14.9	9.3	3.5	22.4	42.6
FPEG8-6	8	6	14.9	9.3	3.5	22.4	44
FPEG10-6	10	6	18.1	11.3	4.5	26.5	51
FPEG10-8	10	8	18.1	11.3	4.5	25.9	51.8
FPEG12-6	12	6	20.5	12.7	4.5	28.6	54.8
FPEG12-8	12	8	20.5	12.7	4.5	28.6	55.6
FPEG12-10	12	10	20.5	12.7	4.5	28.6	56.8
FPEG14-10	14	10	23	13.8	4.5	30.9	60.6
FPEG14-12	14	12	23	13.8	4.5	30.9	61
FPEG16-12	16	12	25	14.8	4.5	32.8	64.8
FPEG16-14	16	14	25	14.8	4.5	32.8	65.6

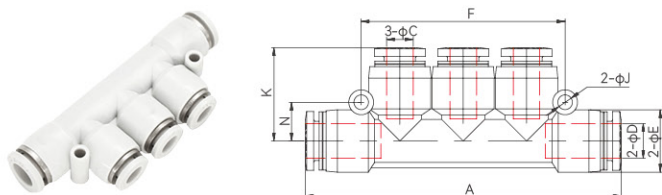
FPW Series-Y-Type Three-Way Reducer



Model	ΦD	ΦD2	ΦE	N	ΦJ	B	A
FPW6-4	6	4	12.6	15.2	3.5	12.5	36.7
FPW8-4	8	4	14.9	16.1	3.5	14.5	40.7
FPW8-6	8	6	14.9	16.5	3.5	14.5	41.1
FPW10-6	10	6	18.1	18.5	4.5	17.9	45.5
FPW10-8	10	8	18.1	18.9	4.5	17.9	45.9
FPW12-8	12	8	20.5	19.6	4.5	20.2	49.8
FPW12-10	12	10	20.5	20.2	4.5	20.2	50.4
FPW14-10	14	10	23	20.8	4.5	22.6	53.4
FPW14-12	14	12	23	21	4.5	22.6	53.6
FPW16-12	16	12	25	22	4.5	24.9	56.8
FPW16-14	16	14	25	22.4	4.5	24.9	57.2

Quick Joint FP

FPKG Series-Five-Way Reducer



Model	ΦD	ΦD2	ΦE	N	ΦJ	A	F	K
FPKG6-4	6	4	12.6	8.2	3.5	66	42.4	19.6
FPKG8-4	8	4	14.9	9.2	3.5	74.9	48.6	21.6
FPKG8-6	8	6	14.9	9.2	3.5	74.9	48.6	22
FPKG10-6	10	6	18.1	11.2	4.5	89.4	59	25.4
FPKG10-8	10	8	18.1	11.2	4.5	89.4	59	25.8
FPKG12-8	12	8	20.5	12.6	4.5	98	66.2	27.9
FPKG12-10	12	10	20.5	12.6	4.5	98	66.2	28.5

FPLM Series-Bulkhead Straight Through



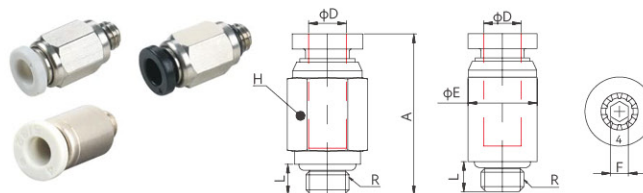
Model	ΦD	ΦD2	M	ΦE	F	L	A	ΦJ	G	N	H	K
FPLM6-4	6	4	M12×1	12.6	20	8.5	8	3.5	3	38	14	14
FPLM8-6	8	6	M14×1	14.9	22.5	9	9.1	3.5	3	41.6	15	17
FPLM10-8	10	8	M16×1	18.1	26.7	9.8	11.2	4.5	3.5	47.1	17	19
FPLM12-10	12	10	M20×1	20.5	28.6	8.5	12.4	4.5	4.5	48.8	21	24

FPMG Series- Partition reducing curved-connection



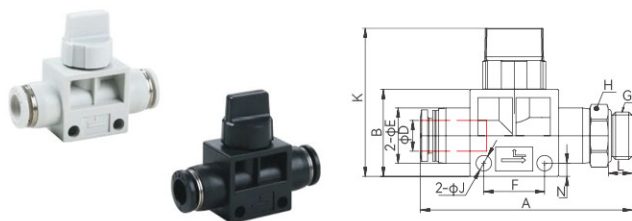
Model	ΦD	ΦD2	A	C	E	M	H
FPMG6-4	6	4	32.6	3	13	M14×1	17
FPMG8-4	8	4	33	3.5	11.6	M16×1	19
FPMG8-6	8	6	33.4	3.5	11.6	M16×1	19
FPMG10-6	10	6	37	4.5	13	M20×1	24
FPMG10-8	10	8	37.4	4.5	13	M20×1	24
FPMG12-8	12	8	40	4.5	15	M22×1	27
FPMG12-10	12	10	40.6	4.5	15	M22×1	27
FPMG14-10	14	10	43.1	4.5	17	M24×1	27
FPMG14-12	14	12	43.3	4.5	17	M24×1	27
FPMG16-12	16	12	46.2	6	18	M26×1	30
FPMG16-14	16	14	46.6	6	18	M26×1	30

FPC-C/FPOC-C Series-Miniature threaded straight-connection



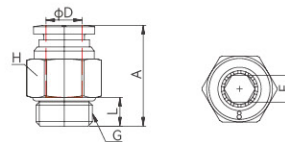
Model	ΦD	R	L	A	H
FPC4-M3-C	4	M3×0.5	3.5	18.3	8
FPC4-M4-C	4	M4×0.7	3.5	18.3	8
FPC4-M5-C	4	M5×0.8	3.5	18.3	8
FPC4-M6-C	4	M6×1.0	5	19.8	8
FPC4-01-C	4	PT1/8	7	17.5	8
FPC6-M3-C	6	M3×0.5	3.5	20	10
FPC6-M4-C	6	M4×0.7	3.5	20	10
FPC6-M5-C	6	M5×0.8	3.5	20	10
FPC6-M6-C	6	M6×1.0	5	21.5	10
FPC6-01-C	6	PT1/8	7	19.3	10

FHVFS-G Series- Reducer hand valve



Model	ΦD	ΦG	ΦE	F	L	N	A	B	K	ΦJ	H
FHVFS4-G01	4	G1/8	13	16.4	5.5	3.6	53.2	23.5	40	4.2	12
FHVFS4-G02	4	G1/4	13	16.4	6.5	3.6	54.2	23.5	40	4.2	15
FHVFS4-G03	4	G3/8	13	16.4	7.5	3.6	55.2	23.5	40	4.2	19
FHVFS6-G01	6	G1/8	13	16.4	5.5	3.6	53.6	23.5	40	4.2	12
FHVFS6-G02	6	G1/4	13	16.4	6.5	3.6	54.6	23.5	40	4.2	15
FHVFS6-G03	6	G3/8	13	16.4	7.5	3.6	55.6	23.5	40	4.2	19
FHVFS6-G04	6	G1/2	13	16.4	5.5	3.6	56.1	23.5	40	4.2	24
FHVFS8-G01	8	G1/8	15	16.4	6.5	3.6	56.3	23.5	40	4.2	14
FHVFS8-G02	8	G1/4	15	16.4	7.5	3.6	57.3	23.5	40	4.2	15
FHVFS8-G03	8	G3/8	15	16.4	5.5	3.6	58.3	23.5	40	4.2	19
FHVFS8-G04	8	G1/2	15	16.4	6.5	3.6	60.3	23.5	40	4.2	24
FHVFS10-G01	10	G1/8	20.3	21.5	7.5	4	68.8	27.9	44.5	4.2	17
FHVFS10-G02	10	G1/4	20.3	21.5	5.5	4	69.8	27.9	44.5	4.2	17
FHVFS10-G03	10	G3/8	20.3	21.5	6.5	4	70.8	27.9	44.5	4.2	19
FHVFS10-G04	10	G1/2	20.3	21.5	7.5	4	71.3	27.9	44.5	4.2	24
FHVFS12-G01	12	G1/8	20.3	21.5	8	4	69	27.9	44.5	4.2	19
FHVFS12-G02	12	G1/4	20.3	21.5	8	4	70	27.9	44.5	4.2	19
FHVFS12-G03	12	G3/8	20.3	21.5	8	4	71	27.9	44.5	4.2	19
FHVFS12-G04	12	G1/2	20.3	21.5	8	4	71.5	27.9	44.5	4.2	24

FPC-G Series



Model	ΦD	ΦG	L	A	H	F
FPC4-G01	4	G1/8	5.5	19	12	3
FPC4-G02	4	G1/4	6.5	19.5	15	3
FPC4-G03	4	G3/8	7.5	19	19	3
FPC6-G01	6	G1/8	5.5	20.7	12	5
FPC6-G02	6	G1/4	6.5	21.5	15	5
FPC6-G03	6	G3/8	7.5	20	19	5
FPC6-G04	6	G1/2	8	23.3	17	5
FPC8-G01	8	G1/8	5.5	24	14	5
FPC8-G02	8	G1/4	6.5	22.9	15	6
FPC8-G03	8	G3/8	7.5	20.6	19	6
FPC8-G04	8	G1/2	8	24.2	17	6
FPC10-G01	10	G1/8	5.5	26.5	17	5
FPC10-G02	10	G1/4	6.5	27.1	17	6

FPL-G Series-Threaded Elbow Through



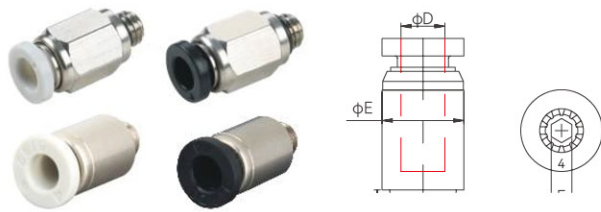
Model	ΦD	ΦG	ΦE	F	L	N	H
FPL6-G01	6	G1/8	12.6	19.8	5.5	23.2	12
FPL6-G02	6	G1/4	12.6	19.8	6.5	24.2	15
FPL6-G03	6	G3/8	12.6	19.8	7.5	25.2	19
FPL6-G04	6	G1/2	12.6	19.8	8	25.7	24
FPL8-G01	8	G1/8	14.9	23.1	5.5	25.4	14
FPL8-G02	8	G1/4	14.9	23.1	6.5	26.4	15
FPL8-G03	8	G3/8	14.9	23.1	7.5	27.4	19
FPL8-G04	8	G1/2	14.9	23.1	8	27.9	24
FPL10-G01	10	G1/8	18.1	25.3	5.5	28.5	15
FPL10-G02	10	G1/4	18.1	25.3	6.5	29.5	15
FPL10-G03	10	G3/8	18.1	25.3	7.5	30.5	19
FPL10-G04	10	G1/2	18.1	25.3	8	31	24
FPL12-G01	12	G1/8	20.6	28.6	5.5	28.2	17
FPL12-G02	12	G1/4	20.6	28.6	6.5	29.2	17
FPL12-G03	12	G3/8	20.6	28.6	7.5	30.2	19
FPL12-G04	12	G1/2	20.6	28.6	8	30.7	24

FSL-G Series- L-Type Throttle Valve



Model	ΦD	R	ΦE	L	A	B	C	H
FSL4-G01	4	G1/8	11	6.8	21.9	15	24.4	11
FSL4-G02	4	G1/4	11	8.8	23.9	18.3	28.6	15
FSL4-G03	4	G3/8	11	9.1	27.2	19.7	32.4	19
FSL6-G01	6	G1/8	12.6	6.8	24.3	15	24.4	11
FSL6-G02	6	G1/4	12.6	8.8	25.3	18.1	28.6	15
FSL6-G03	6	G3/8	12.6	9.1	27.5	19.7	32.4	19
FSL6-G04	6	G1/2	12.6	11.2	28.9	23.4	37	22
FSL8-G01	8	G1/8	14.9	6.8	26.3	16	24.4	11
FSL8-G02	8	G1/4	14.9	8.8	28.4	19.1	28.6	15
FSL8-G03	8	G3/8	14.9	9.1	29.4	19.7	32.4	19
FSL8-G04	8	G1/2	14.9	11.2	31.3	23.4	37	22
FSL10-G01	10	G1/8	18.1	6.8	29.5	17.7	24.4	11
FSL10-G02	10	G1/4	18.1	8.8	30.9	20.8	28.6	15
FSL10-G03	10	G3/8	18.1	9.1	31.6	21	32.4	19
FSL10-G04	10	G1/2	18.1	11.2	33	24.3	37	22
FSL12-G01	12	G1/8	20.5	6.8	31	19	24.4	11
FSL12-G02	12	G1/4	20.5	8.8	32.6	21.9	28.6	15
FSL12-G03	12	G3/8	20.5	9.1	34.5	22.2	32.4	19
FSL12-G04	12	G1/2	20.5	11.2	34.6	24.5	37	22

FPOC-C Series



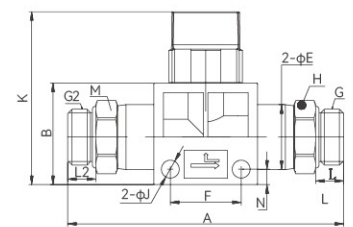
Model	ΦD	R	L	A	ΦE	F
FPOC4-M3-C	4	M3×0.5	3.5	20.8	8	2
FPOC4-M4-C	4	M4×0.7	3.5	20.8	8	2
FPOC4-M5-C	4	M5×0.8	3.5	18.3	8	2
FPOC4-M6-C	4	M6×1.0	3.5	19.8	8	2.5
FPOC4-01-C	4	PT1/8	3.5	17.5	10	3
FPOC6-M3-C	6	M3×0.5	3.5	22.5	10	4
FPOC6-M4-C	6	M4×0.7	5	22.5	10	4
FPOC6-M5-C	6	M5×0.8	7	20	10	2
FPOC6-M6-C	6	M6×1.0	5	21.5	10	2.5
FPOC6-01-C	6	PT1/8	7	19.3	10	4

FPH-G Series-L-shaped external hexagonal joint



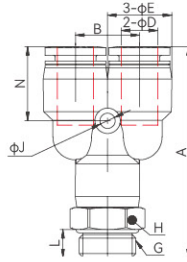
Model	ΦD	G	ΦE	L	A	B	C	H
FPH4-G01	4	G1/8	11	5.5	21.9	21.9	23.1	11
FPH4-G02	4	G1/4	11	6.5	23.9	23.9	26.3	15
FPH4-G03	4	G3/8	11	7.5	27.2	27.2	30.8	19
FPH6-G01	6	G1/8	12.6	5.5	24.3	24.3	23.1	11
FPH6-G02	6	G1/4	12.6	6.5	25.3	25.3	26	15
FPH6-G03	6	G3/8	12.6	7.5	27.5	27.5	30.8	19
FPH6-G04	6	G1/2	12.6	10	28.9	28.9	35.8	22
FPH8-G01	8	G1/8	14.9	5.5	26.3	26.3	23.1	11
FPH8-G02	8	G1/4	14.9	6.5	28.4	28.4	26.3	15
FPH8-G03	8	G3/8	14.9	7.5	29.4	29.4	30.8	19
FPH8-G04	8	G1/2	14.9	10	31.3	31.3	35.8	22
FPH10-G01	10	G1/8	18.1	5.5	29.5	29.5	23.1	11
FPH10-G02	10	G1/4	18.1	6.5	30.9	30.9	26.3	15
FPH10-G03	10	G3/8	18.1	7.5	31.6	31.6	30.8	19
FPH10-G04	10	G1/2	18.1	10	33	33	35.8	22
FPH12-G01	12	G1/8	20.5	5.5	31	31	23.1	11
FPH12-G02	12	G1/4	20.5	6.5	32.6	32.6	26.3	15
FPH12-G03	12	G3/8	20.5	7.5	34.5	34.5	30.8	19
FPH12-G04	12	G1/2	20.5	10	34.6	34.6	35.8	22

FHVSS-G Series



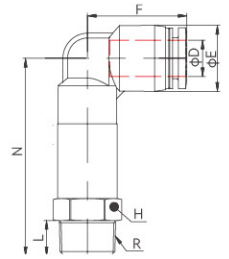
Model	G	G2	ΦE	F	L	L2	N	A	B	K	ΦJ	H	M
FHVSSG01-G01	G1/8	G1/8	15	16.4	5.5	5.5	3.6	61.9	23.5	40	4.2	14	14
FHVSSG02-G02	G1/4	G1/4	15	16.4	6.5	6.5	3.6	63.9	23.5	40	4.2	15	15
FHVSSG03-G03	G3/8	G3/8	20.3	21.5	7.5	7.5	4	77.8	27.9	44.5	4.2	19	19

FPX-G Series- Y-Type Threaded Three-Way



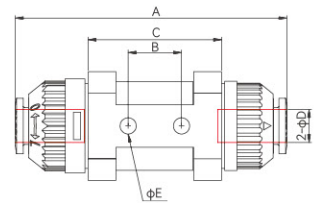
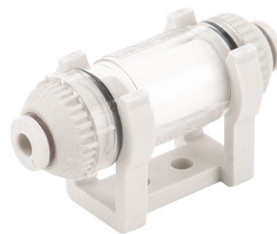
Model	ΦD	G	ΦE	N	L	B	A	ΦJ	H
FPX4-G01	4	G1/8	11	14	5.5	10.6	39.8	3.2	12
FPX4-G02	4	G1/4	11	14	6.5	10.6	40.8	3.2	15
FPX4-G03	4	G3/8	11	14	7.5	10.6	41.8	3.2	19
FPX6-G01	6	G1/8	12.6	15.6	5.5	12.5	43.1	3.5	12
FPX6-G02	6	G1/4	12.6	15.6	6.5	12.5	44.1	3.5	15
FPX6-G03	6	G3/8	12.6	15.6	7.5	12.5	45.1	3.5	19
FPX6-G04	6	G1/2	12.6	15.6	8	12.5	45.6	3.5	24
FPX8-G01	8	G1/8	14.9	16.9	5.5	14.5	47.1	3.5	14
FPX8-G02	8	G1/4	14.9	16.9	6.5	14.5	48.1	3.5	15
FPX8-G03	8	G3/8	14.9	16.9	7.5	14.5	49.1	3.5	19
FPX8-G04	8	G1/2	14.9	16.9	8	14.5	49.6	3.5	24
FPX10-G01	10	G1/8	18.1	19.5	5.5	17.9	51.5	4.5	17
FPX10-G02	10	G1/4	18.1	19.5	6.5	17.9	52.5	4.5	17
FPX10-G03	10	G3/8	18.1	19.5	7.5	17.9	53.5	4.5	19
FPX10-G04	10	G1/2	18.1	19.5	8	17.9	54	4.5	24
FPX12-G01	12	G1/8	20.5	20.4	5.5	20.2	55.4	4.5	19
FPX12-G02	12	G1/4	20.5	20.4	6.5	20.2	56.4	4.5	19
FPX12-G03	12	G3/8	20.5	20.4	7.5	20.2	57.4	4.5	19
FPX12-G04	12	G1/2	20.5	20.4	8	20.2	57.9	4.5	24
FPX14-G02	14	G1/4	23	21.4	6.5	22.6	59.4	4.5	21
FPX14-G03	14	G3/8	23	21.4	7.5	22.6	60.4	4.5	21
FPX14-G04	14	G1/2	23	21.4	8	22.6	60.9	4.5	24
FPX16-G02	16	G1/4	25	22.4	6.5	24.9	63.6	4.5	24
FPX16-G03	16	G3/8	25	22.4	7.5	24.9	64.6	4.5	24
FPX16-G04	16	G1/2	25	22.4	8	24.9	65.1	4.5	24

FPLL Series(New version)



Model	ΦD	R	ΦE	F	L	N	H
FPLL6-M5	6	M5×0.8	12.6	19.8	3.5	32.2	10
FPLL6-01	6	PT1/8	12.6	19.8	7	39.2	12
FPLL6-02	6	PT1/4	12.6	19.8	8	42.7	14
FPLL6-03	6	PT3/8	12.6	19.8	9	43.7	17
FPLL6-04	6	PT1/2	12.6	19.8	11	45.7	21
FPLL8-01	8	PT1/8	14.9	23.1	7	43.9	14
FPLL8-02	8	PT1/4	14.9	23.1	8	44.9	14
FPLL8-03	8	PT3/8	14.9	23.1	9	45.9	17
FPLL8-04	8	PT1/2	14.9	23.1	11	47.9	21
FPLL10-01	10	PT1/8	18.1	25.3	7	50.5	15
FPLL10-02	10	PT1/4	18.1	25.3	8	51.5	15
FPLL10-03	10	PT3/8	18.1	25.3	9	52.5	17
FPLL10-04	10	PT1/2	18.1	25.3	11	54.5	21
FPLL12-01	12	PT1/8	20.6	28.6	7	50.2	15
FPLL12-02	12	PT1/4	20.6	28.6	8	51.2	15
FPLL12-03	12	PT3/8	20.6	28.6	9	52.2	17
FPLL12-04	12	PT1/2	20.6	28.6	11	54.2	21

ZFC Series Vacuum Filter

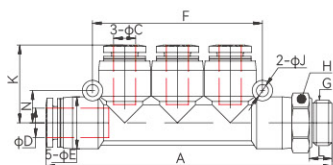
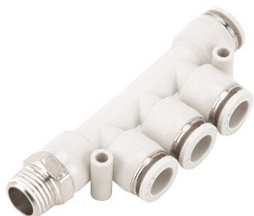


Model	ΦD	ΦE	A	B	C
ZFC-100-4	4	4.2	55.3	18.2	30
ZFC-100-6	6	4.2	55.3	18.2	30
ZFC-200-6	6	4.1	67.4	21.6	33.5
ZFC-200-8	8	4.1	68.2	21.6	33.5

Technical drawing of a 3-way ball valve. The drawing includes a perspective view of the valve and a cross-sectional view. The cross-sectional view shows the internal ball mechanism and the three ports. Dimensions are labeled: $2-F$ for the distance between the two side ports, $2-\phi J$ for the diameter of the side ports, $3/4 I$ for the diameter of the main port, A for the total height, L for the length of the valve body, H for the height of the handle, and G for the height of the base.

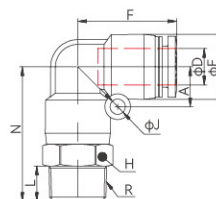
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FPKD-G Series



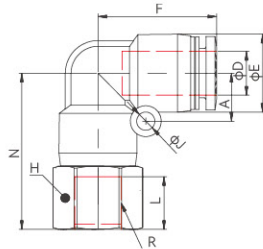
Model	ΦD	ΦC	G	ΦE	N	L	F	A	ΦJ	K	H
FPKD6-4-G01	6	4	G1/8	12.6	8.2	5.5	42.4	72	3.5	19.6	12
FPKD6-4-G02	6	4	G1/4	12.6	8.2	6.5	42.4	73	3.5	19.6	15
FPKD6-4-G03	6	4	G3/8	12.6	8.2	7.5	42.4	74	3.5	19.6	19
FPKD6-4-G04	6	4	G1/2	12.6	8.2	8	42.4	74.5	3.5	19.6	24
FPKD8-4-G01	8	4	G1/8	14.9	9.2	5.5	48.6	80.5	3.5	21.6	14
FPKD8-4-G02	8	4	G1/4	14.9	9.2	6.5	48.6	81.5	3.5	21.6	15
FPKD8-4-G03	8	4	G3/8	14.9	9.2	7.5	48.6	82.5	3.5	21.6	19
FPKD8-4-G04	8	4	G1/2	14.9	9.2	8	48.6	83	3.5	21.6	24
FPKD8-6-G01	8	6	G1/8	14.9	9.2	5.5	48.6	80.5	3.5	22	14
FPKD8-6-G02	8	6	G1/4	14.9	9.2	6.5	48.6	81.5	3.5	22	15
FPKD8-6-G03	8	6	G3/8	14.9	9.2	7.5	48.6	82.5	3.5	22	19
FPKD8-6-G04	8	6	G1/2	14.9	9.2	8	48.6	83	3.5	22	24
FPKD10-6-G01	10	6	G1/8	18.1	11.2	5.5	59	94.4	4.5	25.4	17
FPKD10-6-G02	10	6	G1/4	18.1	11.2	6.5	59	95.4	4.5	25.4	17
FPKD10-6-G03	10	6	G3/8	18.1	11.2	7.5	59	96.4	4.5	25.4	24
FPKD10-6-G04	10	6	G1/2	18.1	11.2	8	59	96.9	4.5	25.4	19
FPKD10-8-G01	10	8	G1/8	18.1	11.2	5.5	59	94.4	4.5	25.8	17
FPKD10-8-G02	10	8	G1/4	18.1	11.2	6.5	59	95.4	4.5	25.8	17
FPKD10-8-G03	10	8	G3/8	18.1	11.2	7.5	59	96.4	4.5	25.8	19
FPKD10-8-G04	10	8	G1/2	18.1	11.2	8	59	96.9	4.5	25.8	24
FPKD12-8-G01	12	8	G1/8	20.5	12.6	5.5	66.2	102.8	4.5	25.8	19
FPKD12-8-G02	12	8	G1/4	20.5	12.6	6.5	66.2	103.8	4.5	25.8	19
FPKD12-8-G03	12	8	G3/8	20.5	12.6	7.5	66.2	104.8	4.5	25.8	19
FPKD12-8-G04	12	8	G1/2	20.5	12.6	8	66.2	105.3	4.5	25.8	24
FPKD12-10-G01	12	10	G1/8	20.5	12.6	5.5	66.2	102.8	4.5	25.8	19
FPKD12-10-G02	12	10	G1/4	20.5	12.6	6.5	66.2	103.8	4.5	25.8	19
FPKD12-10-G03	12	10	G3/8	20.5	12.6	7.5	66.2	104.8	4.5	25.8	19
FPKD12-10-G04	12	10	G1/2	20.5	12.6	8	66.2	105.3	4.5	25.8	24

FPL Series(Installation Hole)



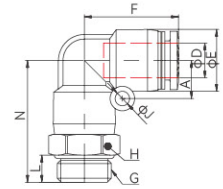
Model	ΦD	R	ΦE	F	L	N	A	ΦJ	H
FPL4-M5	4	M5×0.8	11	17.6	3.5	22	7	3.2	10
FPL4-01	4	PT1/8	11	17.6	7	25.5	7	3.2	10
FPL4-02	4	PT1/4	11	17.6	8	26.5	7	3.2	14
FPL4-03	4	PT3/8	11	17.6	9	27.5	7	3.2	17
FPL6-M5	6	M5×0.8	12.6	20	3.5	24	8	3.5	12
FPL6-01	6	PT1/8	12.6	20	7	27.5	8	3.5	12
FPL6-02	6	PT1/4	12.6	20	8	28.5	8	3.5	14
FPL6-03	6	PT3/8	12.6	20	9	29.5	8	3.5	17
FPL6-04	6	PT1/2	12.6	20	11	31.5	8	3.5	21
FPL8-01	8	PT1/8	14.9	22.4	7	29.6	9.1	3.5	14
FPL8-02	8	PT1/4	14.9	22.4	8	30.6	9.1	3.5	14
FPL8-03	8	PT3/8	14.9	22.4	9	31.6	9.1	3.5	17
FPL8-04	8	PT1/2	14.9	22.4	11	33.6	9.1	3.5	21
FPL10-01	10	PT1/8	18.1	26.5	7	33.2	11.2	4.5	17
FPL10-02	10	PT1/4	18.1	26.5	8	34.2	11.2	4.5	17
FPL10-03	10	PT3/8	18.1	26.5	9	35.2	11.2	4.5	17
FPL10-04	10	PT1/2	18.1	26.5	11	37.2	11.2	4.5	21
FPL12-01	12	PT1/8	20.5	28.6	7	34.9	12.4	4.5	19
FPL12-02	12	PT1/4	20.5	28.6	8	35.9	12.4	4.5	19
FPL12-03	12	PT3/8	20.5	28.6	9	36.9	12.4	4.5	19
FPL12-04	12	PT1/2	20.5	28.6	11	38.9	12.4	4.5	21
FPL14-02	14	PT1/4	23	31.2	8	38.1	14.2	4.5	21
FPL14-03	14	PT3/8	23	31.2	9	39.1	14.2	4.5	21
FPL14-04	14	PT1/2	23	31.2	11	41.1	14.2	4.5	21
FPL16-02	16	PT1/4	25	33.1	8	41	14.8	4.5	24
FPL16-03	16	PT3/8	25	33.1	9	42	14.8	4.5	24
FPL16-04	16	PT1/2	25	33.1	11	43	14.8	4.5	24
FPL16-06	16	PT3/4	25	33.1	13	45	14.8	4.5	27

FPLF Series(Installation Hole)



Model	ΦD	R	ΦE	F	L	N	A	ΦJ	H
FPLF4-M5	4	M5×0.8	11	17.6	6.5	19.5	7	3.2	10
FPLF4-01	4	PT1/8	11	17.6	9	24.5	7	3.2	12
FPLF4-02	4	PT1/4	11	17.6	10	25.5	7	3.2	15
FPLF4-03	4	PT3/8	11	17.6	11	26.5	7	3.2	19
FPLF6-M5	6	M5×0.8	12.6	20	6.5	21.5	8	3.5	12
FPLF6-01	6	PT1/8	12.6	20	9	26.5	8	3.5	12
FPLF6-02	6	PT1/4	12.6	20	10	27.5	8	3.5	15
FPLF6-03	6	PT3/8	12.6	20	11	28.5	8	3.5	19
FPLF6-04	6	PT1/2	12.6	20	13	30.5	8	3.5	24
FPLF8-01	8	PT1/8	14.9	22.4	9	28.6	9.1	3.5	14
FPLF8-02	8	PT1/4	14.9	22.4	10	29.6	9.1	3.5	15
FPLF8-03	8	PT3/8	14.9	22.4	11	30.6	9.1	3.5	19
FPLF8-04	8	PT1/2	14.9	22.4	13	32.6	9.1	3.5	24
FPLF10-01	10	PT1/8	18.1	26.5	9	32.2	11.2	4.5	17
FPLF10-02	10	PT1/4	18.1	26.5	10	33.2	11.2	4.5	17
FPLF10-03	10	PT3/8	18.1	26.5	11	34.2	11.2	4.5	19
FPLF10-04	10	PT1/2	18.1	26.5	13	36.2	11.2	4.5	24
FPLF12-01	12	PT1/8	20.5	28.6	9	33.9	12.4	4.5	19
FPLF12-02	12	PT1/4	20.5	28.6	10	34.9	12.4	4.5	19
FPLF12-03	12	PT3/8	20.5	28.6	11	35.9	12.4	4.5	19
FPLF12-04	12	PT1/2	20.5	28.6	13	37.9	12.4	4.5	24
FPLF14-02	14	PT1/4	23	31.2	10	37.1	14.2	4.5	21
FPLF14-03	14	PT3/8	23	31.2	11	38.1	14.2	4.5	21
FPLF14-04	41	PT1/2	23	31.2	13	40.1	14.2	4.5	24
FPLF16-02	16	PT1/4	25	33.1	10	39	14.8	4.5	24
FPLF16-03	16	PT3/8	25	33.1	11	40	14.8	4.5	24
FPLF16-04	16	PT1/2	25	33.1	13	41	14.8	4.5	24

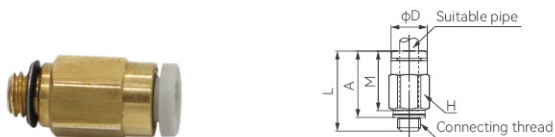
FPL-G Series(Installation Hole)



Model	ΦD	G	ΦE	F	L	N	A	ΦJ	H
FPL4-G01	4	G1/8	11	17.6	5.5	24	7	3.2	12
FPL4-G02	4	G1/4	11	17.6	6.5	25	7	3.2	15
FPL4-G03	4	G3/8	11	17.6	7.5	26	7	3.2	19
FPL6-G01	6	G1/8	12.6	20	5.5	26	8	3.5	12
FPL6-G02	6	G1/4	12.6	20	6.5	27	8	3.5	15
FPL6-G03	6	G3/8	12.6	20	7.5	28	8	3.5	19
FPL6-G04	6	G1/2	12.6	20	8	28.5	8	3.5	24
FPL8-G01	8	G1/8	14.9	22.5	5.5	28.1	9.1	3.5	14
FPL8-G02	8	G1/4	14.9	22.5	6.5	29.1	9.1	3.5	15
FPL8-G03	8	G3/8	14.9	22.5	7.5	30.1	9.1	3.5	19
FPL8-G04	8	G1/2	14.9	22.5	8	30.6	9.1	3.5	24
FPL10-G01	10	G1/8	18.1	26.7	5.5	31.7	11.2	4.5	17
FPL10-G02	10	G1/4	18.1	26.7	6.5	32.7	11.2	4.5	17
FPL10-G03	10	G3/8	18.1	26.7	7.5	33.7	11.2	4.5	19
FPL10-G04	10	G1/2	18.1	26.7	8	34.2	11.2	4.5	24
FPL12-G01	12	G1/8	20.5	28.6	5.5	33.4	12.4	4.5	19
FPL12-G02	12	G1/4	20.5	28.6	6.5	34.4	12.4	4.5	19
FPL12-G03	12	G3/8	20.5	28.6	7.5	35.4	12.4	4.5	19
FPL12-G04	12	G1/2	20.5	28.6	8	35.9	12.4	4.5	24
FPL14-G02	14	G1/4	23	31.2	6.5	36.6	14.2	4.5	21
FPL14-G03	14	G3/8	23	31.2	7.5	37.6	14.2	4.5	21
FPL14-G04	14	G1/2	23	31.2	8	38.1	14.2	4.5	24
FPL16-G02	16	G1/4	25	33.1	6.5	39.5	14.8	4.5	24
FPL16-G03	16	G3/8	25	33.1	7.5	40.5	14.8	4.5	24
FPL16-G04	16	G1/2	25	33.1	8	41.5	14.8	4.5	24

FKQ2 Series Joint

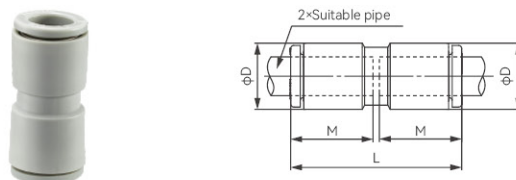
FKQ2H Series Straight-Connection Joint (Gasket)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD	L	A	M
FKQ2H04-M3G	Φ4	M3×0.5	8	7.9	17.3	14.8	13.3
FKQ2H04-M5 □		M5×0.8	8	7.9	17.8	14.8	13.3
FKQ2H04-M6 □		M6×1.0	8	7.9	18.8	14.8	13.3
FKQ2H06-M5 □	Φ6	M5×0.8	10	9.8	18.1	15.1	13.3
FKQ2H06-M6 □		M6×1.0	10	9.8	19.1	15.1	13.3

□ Mark/A: Brass; N: Brass+electroless nickel plating

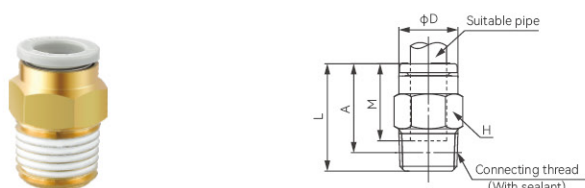
FKQ2H Series Straight-Connection Joint



Model	Suitable Pipe Outer Diameter	ΦD ^{Note)}	L	M
FKQ2H04-00A	Φ4	8.8	27.4	13.3
FKQ2H06-00A	Φ6	10.7	27.4	13.3
FKQ2H08-00A	Φ8	13.6	29.3	14.2
FKQ2H10-00A	Φ10	16.2	32.4	15.6
FKQ2H12-00A	Φ12	19	35	17
FKQ2H16-00A	Φ16	23.8	42.2	20.6

Note) D is the maximum diameter.

FKQ2H Series Straight-Connection Joint(Sealant)

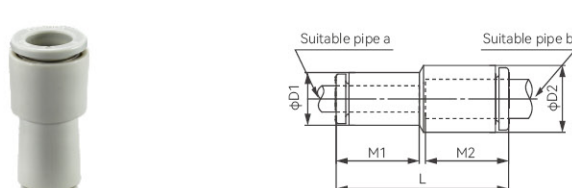


Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD	L	A*	M
FKQ2H04-01 □ S	Φ4	1/8	10	7.9	14.3	11.2	13.3
FKQ2H04-02 □ S		1/4	14	7.9	16.7	12	13.3
FKQ2H06-01 □ S	Φ6	1/8	10	9.8	18.6	15.3	13.3
FKQ2H06-02 □ S		1/4	14	9.8	16.8	12	13.3
FKQ2H06-03 □ S	Φ8	3/8	17	9.8	18.1	13	13.3
FKQ2H08-01 □ S		1/8	14	12.4	22.6	19.4	14.2
FKQ2H08-02 □ S		1/4	14	12.4	21.9	17.3	14.2
FKQ2H08-03 □ S	Φ10	3/8	17	12.4	18.1	13	14.2
FKQ2H10-01 □ S		1/8	17	14.8	24.3	20.7	15.6
FKQ2H10-02 □ S		1/4	17	14.8	27.6	22.6	15.6
FKQ2H10-03 □ S	Φ12	3/8	17	14.8	23.6	18.4	15.6
FKQ2H10-04 □ S		1/2	22	14.8	22.6	15.9	15.6
FKQ2H12-02 □ S	Φ16	1/4	19	17.3	29.1	24	17
FKQ2H12-03 □ S		3/8	19	17.3	26.5	20.8	17
FKQ2H12-04 □ S		1/2	22	17.3	22.6	15.9	17
FKQ2H16-02 □ S	Φ16	1/4	24	22	32.5	27.8	20.6
FKQ2H16-03 □ S		3/8	24	22	33.1	28	20.6
FKQ2H16-04 □ S		1/2	24	22	32.1	25.7	20.6

□ Mark/A: Brass; N: Brass+electroless nickel plating

*Reference dimensions of R-shaped threads.

FKQ2H Series Reducing Straight-Connection Pipe

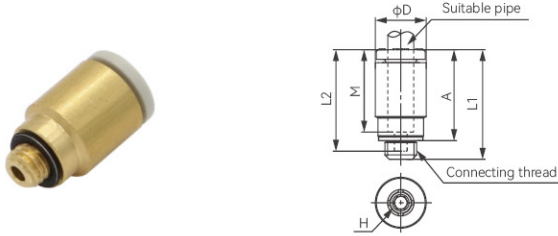


Model	Suitable Pipe Outer Diameter		ΦD1 ^{Note)}	ΦD2 ^{Note)}	L	M1	M2
	a	b					
FKQ2H04-06A	Φ4	Φ6	8.8	10.7	27.4	13.3	13.3
FKQ2H06-08A	Φ6	Φ8	10.7	13.6	28.1	13.3	14.2
FKQ2H08-10A	Φ8	Φ10	13.6	16.2	30.9	14.2	15.6
FKQ2H10-12A	Φ10	Φ12	16.2	19	33.7	15.6	17
FKQ2H12-16A	Φ12	Φ16	19	23.8	38.6	17	20.6

Note) ΦD1,ΦD2 is the maximum diameter.

FKQ2 Series Joint

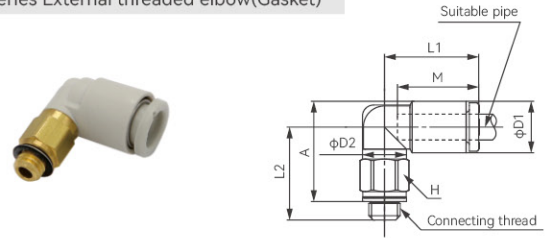
FKQ2S Series Straight-connection joint with hex socket(Gasket)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD ^(Note)	L1	L2	A	M
FKQ2S04-M3G	Φ4	M3×0.5	1.5	8	17.3	16.1	14.8	13.3
FKQ2S04-M5 □		M5×0.8	2	8	18.3	16.5	15.3	13.3
FKQ2S04-M6 □		M6×1.0	3	8	20.8	18.1	16.8	13.3
FKQ2S06-M5 □	Φ6	M5×0.8	2	10	18.3	16.5	15.3	13.3
FKQ2S06-M6 □		M6×1.0	3	10	20.3	17.6	16.3	13.3

□ Mark/A: Brass; N: Brass+electroless nickel plating
Note) ΦD is the maximum diameter.

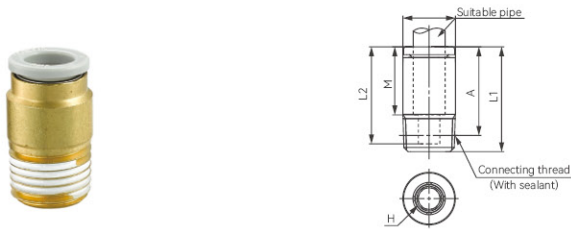
FKQ2L Series External threaded elbow(Gasket)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD ^(Note)	ΦD2	L1	L2	A*	M
FKQ2L04-M3G	Φ4	M3×0.5	7	8.8	7	15.4	14.4	16.2	13.3
FKQ2L04-M5A		M5×0.8	7	8.8	7	15.4	14.9	16.2	13.3
FKQ2L04-M6A		M6×1.0	8	8.8	7	15.4	15.9	16.2	13.3
FKQ2L06-M5A	Φ6	M5×0.8	7	10.7	7	15.4	16.8	19.2	13.3
FKQ2L06-M6A		M6×1.0	8	10.7	7	14.6	17.8	19.2	13.3

□ Mark/A: Brass; N: Brass+electroless nickel plating
Note) ΦD is the maximum diameter.

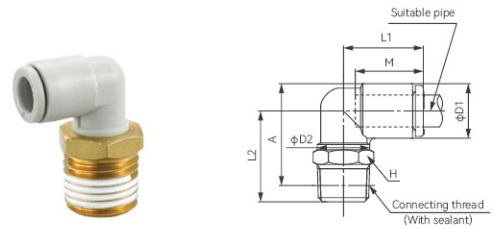
FKQ2S Series Straight-connection joint with hex socket(Sealant)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD ^(Note)	L1	L2	A*	M
FKQ2S04-01 □ S	Φ4	1/8	3	10	19.6	18.3	17.5	13.3
FKQ2S06-01 □ S	Φ6	1/8	4	10	20.3	18.7	17.2	13.3
FKQ2S06-02 □ S		1/4	4	14	19.8	18.7	15.1	13.3
FKQ2S08-01 □ S	Φ8	1/8	5	13	23	19.7	19.8	14.2
FKQ2S08-02 □ S		1/4	6	14	23.3	19.7	18.5	14.2
FKQ2S08-03 □ S		3/8	6	17	20.8	19.7	15.6	14.2
FKQ2S10-01 □ S	Φ10	1/8	5	15	24.6	21.4	21.2	15.6
FKQ2S10-02 □ S		1/4	8	15	24.8	21	19.9	15.6
FKQ2S10-03 □ S		3/8	8	17	25.3	21	20	15.6
FKQ2S10-04 □ S	Φ12	1/2	8	22	21.6	20.5	14.7	15.6
FKQ2S12-02 □ S		1/4	8	18	29.1	22.5	24.3	17
FKQ2S12-03 □ S		3/8	10	18	26.6	22.8	21.3	17
FKQ2S12-04 □ S	Φ16	1/2	10	22	23.1	22	16.4	17
FKQ2S16-02 □ S		1/4	8	23	32.5	25.1	27.8	20.6
FKQ2S16-03 □ S		3/8	10	23	33.5	25.4	28.4	20.6
FKQ2S16-04 □ S		1/2	12	23	33.4	26.1	27	20.6

□ Mark/A: Brass; N: Brass+electroless nickel plating
*Reference dimensions of R-shaped thread.
Note) ΦD is the maximum diameter.

FKQ2L Series External threaded elbow(Sealant)

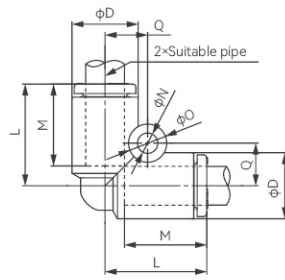


Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD ^(Note)	ΦD2	L1	L2	A*	M
FKQ2L04-01AS	Φ4	1/8	10	8.8	10	14.8	16.5	17.2	13.3
FKQ2L04-02AS		1/4	14	8.8	10	14.8	20.6	20.1	13.3
FKQ2L06-01AS	Φ6	1/8	10	10.7	10	15.3	18.8	19.4	13.3
FKQ2L06-02AS		1/4	14	10.7	10	15.3	22.9	23.3	13.3
FKQ2L06-03AS		3/8	17	10.7	10	15.3	24.4	24.2	13.3
FKQ2L08-01AS	Φ8	1/8	10	13.6	10	16.3	19	22.2	14.2
FKQ2L08-02AS		1/4	14	13.6	12	17.3	25.1	27.3	14.2
FKQ2L08-03AS		3/8	17	13.6	12	17.3	25.6	27	14.2
FKQ2L10-01AS	Φ10	1/8	12	16.2	12	18.6	23.6	28.4	15.6
FKQ2L10-02AS		1/4	17	16.2	17	19.3	28.7	31.9	15.6
FKQ2L10-03AS		3/8	17	16.2	17	19.3	29.6	32.4	15.6
FKQ2L10-04AS	Φ12	1/2	22	16.2	17	19.3	33.6	35.1	15.6
FKQ2L12-02AS		1/4	17	19	17	21.9	30.0	34.5	17
FKQ2L12-03AS		3/8	17	19	17	21.9	30.9	35	17
FKQ2L12-04AS	Φ16	1/2	22	19	17	21.9	34.9	37.7	17
FKQ2L16-02AS		1/4	17	23.8	17	25.1	32.6	39.8	20.6
FKQ2L16-03AS		3/8	22	23.8	21	27.1	35.4	42.2	20.6
FKQ2L16-04AS		1/2	22	23.8	21	27.1	34.1	39.6	20.6

□ Mark/A: Brass; N: Brass+electroless nickel plating
*Reference dimensions of R-shaped thread.
Note) ΦD is the maximum diameter.

FKQ2 Series Joint

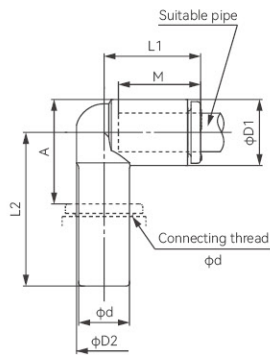
FKQ2L Series Elbow Joint



Model	Suitable Pipe Outer Diameter	ΦD ^(Note)	L	Q	M	ΦO	ΦN
FKQ2L04-00A	Φ4	8.8	15.3	5.7	13.3	6	3.2
FKQ2L06-00A	Φ6	10.7	16.3	6.8	13.3	6	3.2
FKQ2L08-00A	Φ8	13.6	18.3	8.4	14.2	8	4.2
FKQ2L10-00A	Φ10	16.2	21.2	9.6	15.6	8	4.2
FKQ2L12-00A	Φ12	19	23.1	10.7	17	8	4.2
FKQ2L16-00A	Φ16	23.8	28.6	13.4	20.6	8	4.2

Note) D is the maximum diameter.

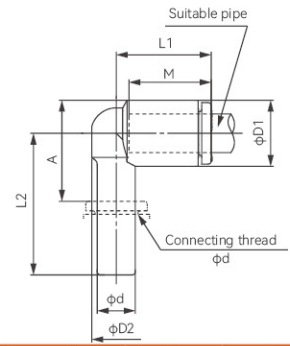
FKQ2L Series Insertion Reducing Elbow



Model	Suitable Pipe Outer Diameter	Connecting Thread	ΦD ^(Note)	ΦD1	ΦD2	L1	L2	A	M
FKQ2L04-06A	Φ4	Φ6	8.8	7.2	14.5	24.6	15.4	13.3	
FKQ2L04-08A		Φ8	10.7	9	15.8	24.2	15.2	13.3	
FKQ2L06-08A	Φ6	Φ8	10.7	9	15.8	24.2	15.2	13.3	
FKQ2L06-10A		Φ10	13.6	10	18.8	27.1	18.1	13.3	
FKQ2L08-10A	Φ8	Φ10	13.6	10	18.8	27.1	18.1	14.2	
FKQ2L08-12A		Φ12	16.2	12	19.4	35.5	26.5	14.2	
FKQ2L10-12A	Φ10	Φ12	16.2	12	19.4	35.5	26.5	15.6	
FKQ2L12-16A	Φ12	Φ16	19	14	21.5	42.6	31.2	17	

Note) ΦD1 is the maximum diameter.

FKQ2L Series Insertion Elbow



Model	Suitable Pipe Outer Diameter	Connecting Thread	ΦD ^(Note)	ΦD1	ΦD2	L1	L2	A	M
FKQ2L04-99A	Φ4	Φ4	8.8	7.2	14.8	21.1	11.9	13.3	
FKQ2L06-99A	Φ6	Φ6	10.7	8	15.3	22.3	14.2	13.3	
FKQ2L08-99A	Φ8	Φ8	13.6	10	16.8	26	18.6	14.2	
FKQ2L10-99A	Φ10	Φ10	16.2	12	19.3	28.2	20.5	15.6	
FKQ2L12-99A	Φ12	Φ12	19	14	22.1	30.8	23.2	17	
FKQ2L16-99A	Φ16	Φ16	23.8	20	27.1	36.8	28.1	20.6	

Note) D is the maximum diameter.

FKQ2LU Series Double-pipe elbow

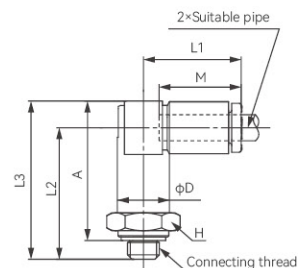
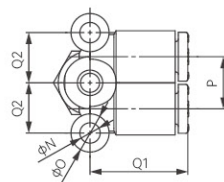


Model	Suitable Pipe Outer Diameter	ΦD ^(Note)	L1	L2	Q1	Q2	M	P	ΦO	ΦN
FKQ2LU04-00A	Φ4	8.8	15.6	20	15.6	7.9	13.3	8.2	6	3.2
FKQ2LU06-00A	Φ6	10.7	16.5	21.8	16.5	10	13.3	10.4	6	3.2
FKQ2LU08-00A	Φ8	13.6	18.2	24.8	18.2	13.1	14.2	13.2	8	4.2
FKQ2LU10-00A	Φ10	16.2	20.6	28.8	20.6	15.9	15.6	15.9	8	4.2
FKQ2LU12-00A	Φ12	19	22.8	32.2	22.8	17.9	17	18.5	8	4.2

Note) ΦD is the maximum diameter.

FKQ2 Series Joint

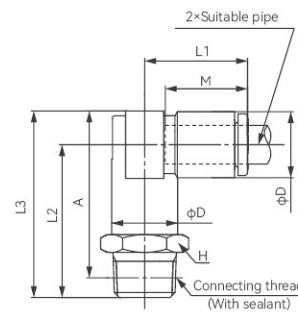
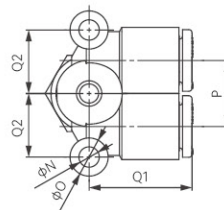
FKQ2LU Series External Threaded Double-Pipe Elbow(Gasket)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD ^(Note)	L1	L2	L3	A	M	P	ΦO	ΦN	Q1	Q2
FKQ2LU04-M5 □	Φ4	M5×0.8	10	8.8	15.6	20.8	25.2	22.2	13.3	8.2	6	3.2	15.8	7.9
FKQ2LU04-M6 □		M6×1.0	10	8.8	15.6	21.8	26.2	22.2	13.3	8.2	6	3.2	15.8	7.9
FKQ2LU06-M5 □	Φ6	M5×0.8	12	10.7	16.5	22.2	27.5	24.5	13.3	10.4	6	3.2	16.5	10
FKQ2LU06-M6 □		M6×1.0	12	10.7	16.5	23.2	28.5	24.5	13.3	10.4	6	3.2	16.5	10

□ Mark/A: Brass; N: Brass+electroless nickel plating
 Note) ΦD1 is the maximum diameter.

FKQ2LU Series External Threaded Double-Pipe Elbow(Sealant)

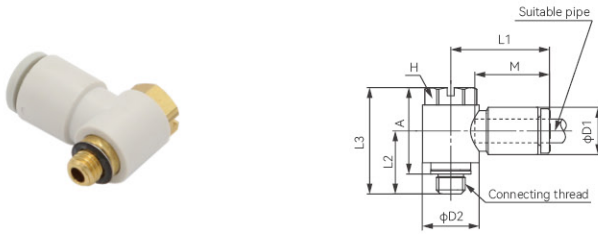


Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD ^(Note)	L1	L2	L3	A	M	P	ΦO	ΦN	Q1	Q2
FKQ2LU04-01 □ S	Φ4	1/8	10	8.8	15.6	23.8	28.2	24.3	13.3	8.2	6	3.2	15.8	7.9
FKQ2LU04-02 □ S		1/4	14	8.8	15.6	28.2	32.6	27.1	13.3	8.2	6	3.2	15.8	7.9
FKQ2LU06-01 □ S	Φ6	1/8	12	10.7	10.7	25	30.3	26.1	13.3	10.4	6	3.2	16.5	10
FKQ2LU06-02 □ S		1/4	14	10.7	10.7	28.7	34	28.9	13.3	10.4	6	3.2	16.5	10
FKQ2LU06-03 □ S		3/8	17	10.7	10.7	30.2	35.5	29.9	13.3	10.4	6	3.2	16.5	10
FKQ2LU08-01 □ S	Φ8	1/8	14	13.6	13.6	26.8	33.4	29.2	14.2	13.2	8	4.2	18.2	13.1
FKQ2LU08-02 □ S		1/4	14	13.6	13.6	29.9	36.5	32	14.2	13.2	8	4.2	18.2	13.1
FKQ2LU08-03 □ S		3/8	17	13.6	13.6	31.9	38.5	33	14.2	13.2	8	4.2	18.2	13.1
FKQ2LU10-02 □ S	Φ10	1/4	17	16.2	16.2	33	41.2	35.5	15.6	15.9	8	4.2	20.3	15.9
FKQ2LU10-03 □ S		3/8	17	16.2	16.2	33.8	42	36.5	15.6	15.9	8	4.2	20.3	15.9
FKQ2LU10-04 □ S		1/2	22	16.2	16.2	38	46.2	39.4	15.6	15.9	8	4.2	20.3	15.9
FKQ2LU12-02 □ S	Φ12	1/4	19	19	19	35.2	44.6	38.9	17	18.5	8	4.2	22.5	17.9
FKQ2LU12-03 □ S		3/8	19	19	19	36	45.4	39.9	17	18.5	8	4.2	22.5	17.9
FKQ2LU12-04 □ S		1/2	22	19	19	40.2	49.6	42.8	17	18.5	8	4.2	22.5	17.9

□ Mark/A: Brass; N: Brass+electroless nickel plating
 ※Reference dimensions of R-shaped threads.
 Note) ΦD is the maximum diameter.

FKQ2 Series Joint

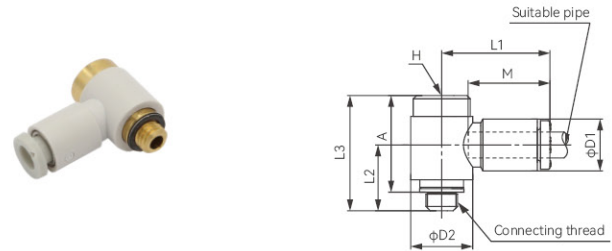
FKQ2V Series Universal Elbow(Gasket)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	φD1 ^(Note)	φD2	L1	L2	L3	A	M
FKQ2V04-M5 □	Φ4	M5×0.8	8	8.8	9.8	17.4	10.9	18.5	15	13.3
FKQ2V06-M5 □	Φ6	M6×1.0	8	10.7	9.8	17.9	10.9	18.5	15	13.3

□ Mark/A: Brass; N: Brass+electroless nickel plating
Note) φD1 is the maximum diameter.

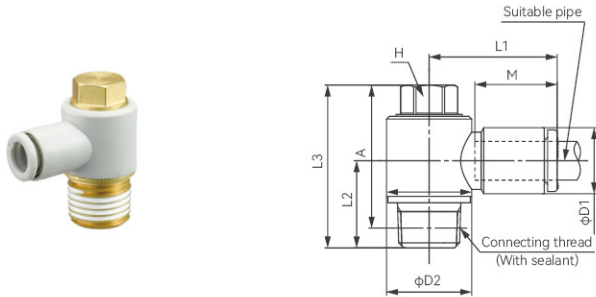
FKQ2VS Series Universal Elbow With Hex Socket(Gasket)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	φD1 ^(Note)	φD2	L1	L2	L3	A	M
FKQ2VS04-M5 □	Φ4	M5×0.8	4	8.8	9.8	17.4	10.9	18.5	15	13.3
FKQ2VS06-M5 □	Φ6	M6×1	4	10.7	9.8	17.9	10.9	18.5	15	13.3

□ Mark/A: Brass; N: Brass+electroless nickel plating
Note) φD1 is the maximum diameter.

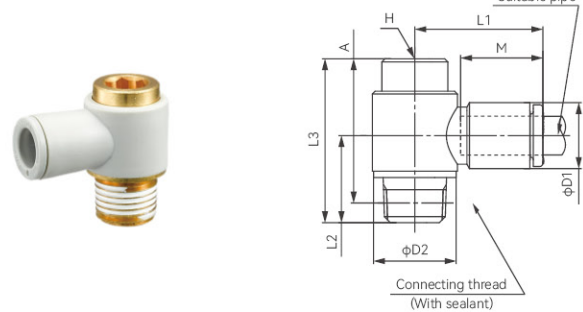
FKQ2V Series Universal Elbow(Sealant)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	φD1 ^(Note)	φD2	L1	L2	L3	A※	M
FKQ2V04-01 □ S	Φ4	1/8	8	8.8	13.4	19.1	13.9	25.6	22.5	13.3
FKQ2V06-01 □ S	Φ6	1/8	8	10.7	13.4	20.1	13.9	25.6	22.5	13.3
FKQ2V06-02 □ S		1/4	10	10.7	15.3	20	17.7	30.5	25.8	13.3
FKQ2V08-01 □ S	Φ8	1/8	12	13.6	17.6	23.5	15.4	27.5	24.5	14.2
FKQ2V08-02 □ S		1/4	12	13.6	17.6	23.5	18.6	30.5	26.3	14.2
FKQ2V08-03 □ S		3/8	14	13.6	20.6	23.3	19.5	35.2	30.2	14.2
FKQ2V10-02 □ S	Φ10	1/4	14	16.2	20.6	26.4	19.9	34.7	30.2	15.6
FKQ2V10-03 □ S		3/8	14	16.2	20.6	26.4	20.4	35.2	30.2	15.6
FKQ2V12-03 □ S	Φ12	3/8	17	19	25.2	28.6	21.7	37.6	32.5	17
FKQ2V12-04 □ S		1/2	17	19	25.2	28.6	24.9	40.8	34.4	17
FKQ2V16-03 □ S	Φ16	3/8	21	23.8	32.3	32.3	25.1	45.4	40.3	20.6
FKQ2V16-04 □ S		1/2	21	23.8	32.3	32.3	28.3	48.6	42.2	20.6

□ Mark/A: Brass; N: Brass+electroless nickel plating
※Reference dimensions of R-shaped threads.
Note) φD is the maximum diameter.

FKQ2VS Series Universal Elbow With Hex Socket(Sealant)

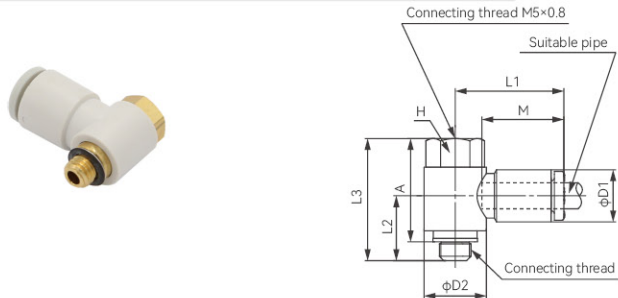


Model	Suitable Pipe Outer Diameter	Connecting Thread	H	φD1 ^(Note)	φD2	L1	L2	L3	A	M
FKQ2VS04-01 □ S	Φ4	1/8	6	8.8	13.4	19.1	13.9	25.8	22.7	13.3
FKQ2VS06-01 □ S	Φ6	1/8	6	10.7	13.4	20.1	13.9	25.8	22.7	13.3
FKQ2VS06-02 □ S		1/4	6	10.7	15.3	20	17.7	26.5	21.8	13.3
FKQ2VS08-01 □ S	Φ8	1/8	8	13.6	17.6	23.5	15.4	26	22.9	14.2
FKQ2VS08-02 □ S		1/4	8	13.6	17.6	23.5	18.6	29.5	24.8	14.2
FKQ2VS08-03 □ S		3/8	8	13.6	20.6	23.3	19.5	31.5	26.3	14.2
FKQ2VS10-02 □ S	Φ10	1/4	8	16.2	20.6	26.4	19.9	31	26.1	15.6
FKQ2VS10-03 □ S		3/8	8	16.2	20.6	26.4	20.4	31.5	26.3	15.6
FKQ2VS12-03 □ S	Φ12	3/8	10	19	25.2	28.6	21.7	35	30	17
FKQ2VS12-04 □ S		1/2	10	19	25.2	28.6	24.9	38.2	31.9	17

□ Mark/A: Brass; N: Brass+electroless nickel plating
※Reference dimensions of R-shaped threads.
Note) φD is the maximum diameter.

FKQ2 Series Joint

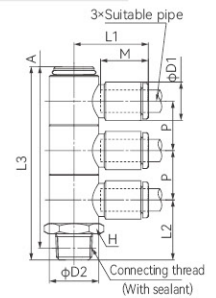
FKQ2VF Series Universal Elbow With Hex Socket(Gasket)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^{Note)}	ΦD2	L1	L2	L3	A	M
FKQ2VF04-M5 □	Φ4	M5×0.8	8	8.8	9.8	17.4	10.9	19.2	15.7	13.3
FKQ2VF06-M5 □	Φ6	M6×1	8	10.7	9.8	17.9	10.9	19.2	15.7	13.3

□ Mark/A: Brass; N: Brass+electroless nickel plating
Note) ΦD1 is the maximum diameter.

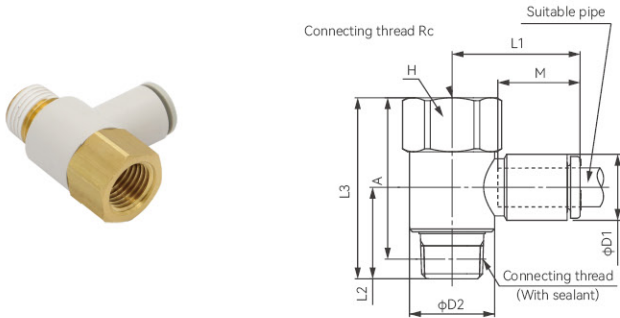
FKQ2VT Series Three-Single-Pipe Universal Elbow(Sealant)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^{Note)}	ΦD2	L1	L2	L3	A [*]	M	P
FKQ2VT04-01 □ S	Φ4	1/8	14	8.8	13.4	19.3	17	52.5	49.4	13.3	13.5
FKQ2VT04-02 □ S		1/4	14	8.8	13.4	19.3	21.2	56.7	52.2	13.3	13.5
FKQ2VT04-03 □ S		3/8	17	8.8	13.4	19.3	22.5	58	53.2	13.3	13.5
FKQ2VT06-01 □ S	Φ6	1/8	14	10.7	13.4	20.1	17	52.5	49.4	13.3	13.5
FKQ2VT06-02 □ S		1/4	14	10.7	13.4	20.1	21.2	56.7	52.2	13.3	13.5
FKQ2VT06-03 □ S		3/8	17	10.7	13.4	20.1	22.5	58	53.2	13.3	13.5
FKQ2VT08-01 □ S	Φ8	1/8	19	13.6	17.6	23.6	19.3	61.3	58.7	14.2	16
FKQ2VT08-02 □ S		1/4	19	13.6	17.6	23.6	22.5	64.5	60.5	14.2	16
FKQ2VT08-03 □ S		3/8	19	13.6	17.6	23.6	23	65	60.7	14.2	16
FKQ2VT08-04 □ S	Φ10	1/2	22	13.6	17.6	23.6	27.2	69.3	63.6	14.2	16
FKQ2VT10-02 □ S		1/4	21	16.2	20.6	26.4	24.3	74.1	70.8	15.6	27
FKQ2VT10-03 □ S		3/8	21	16.2	20.6	26.4	24.8	74.6	70.8	15.6	27
FKQ2VT10-04 □ S	Φ12	1/2	22	16.2	20.6	26.4	28.5	78.3	73.5	15.6	27
FKQ2VT12-02 □ S		1/4	26	19	25.2	29.1	26.8	82.7	79.4	17	39
FKQ2VT12-03 □ S		3/8	26	19	25.2	29.1	27.3	83.2	79.4	17	39
FKQ2VT12-04 □ S		1/2	26	19	25.2	29.1	30.5	86.4	81.3	17	39

□ Mark/A: Brass; N: Brass+electroless nickel plating
※Reference dimensions of R-shaped thread.
Note) ΦD1 is the maximum diameter.

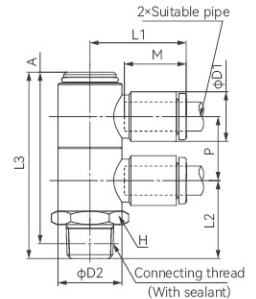
FKQ2VF Series Universal Elbow With Hex Socket(Sealant)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^{Note)}	ΦD2	L1	L2	L3	A [*]	M
FKQ2VF04-01 □ S	Φ4	1/8	14	8.8	13.4	19.1	14.4	28.7	25.4	13.3
FKQ2VF06-01 □ S		1/8	14	10.7	13.4	20.1	14.4	28.7	25.4	13.3
FKQ2VF06-02 □ S		1/4	17	13.6	17.6	23.5	18.4	38	33.2	13.3
FKQ2VF08-01 □ S	Φ8	1/8	17	13.6	17.6	23.5	15.7	30	26.9	14.2
FKQ2VF08-02 □ S		1/4	17	13.6	17.6	23.5	18.4	38	33.2	14.2
FKQ2VF08-03 □ S		3/8	22	13.6	25.2	26	19.7	44	38.9	14.2
FKQ2VF10-02 □ S	Φ10	1/4	19	16.2	20.6	25.9	19.4	40.5	35.6	15.6
FKQ2VF10-03 □ S		3/8	22	19	25.2	28.5	20.9	44	38.9	15.6
FKQ2VF12-03 □ S	Φ12	3/8	22	19	25.2	28.5	20.9	44	38.9	17
FKQ2VF12-04 □ S		1/2	24	19	27	29.9	24	48.9	42.5	17

□ Mark/A: Brass; N: Brass+electroless nickel plating
※Reference dimensions of R-shaped thread.
Note) ΦD1 is the maximum diameter.

FKQ2VD Series Two-Single-Pipe Universal Elbow(Sealant)

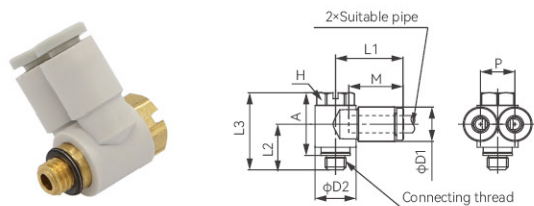


Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^{Note)}	ΦD2	L1	L2	L3	A [*]	M	P
FKQ2VD04-01 □ S	Φ4	1/8	14	8.8	13.4	19.3	17	39.1	35.9	13.3	13.5
FKQ2VD04-02 □ S		1/4	14	8.8	13.4	19.3	21.2	43.3	38.7	13.3	13.5
FKQ2VD04-03 □ S		3/8	17	8.8	13.4	19.3	22.5	44.6	39.7	13.3	13.5
FKQ2VD06-01 □ S	Φ6	1/8	14	10.7	13.4	20.1	17	39.1	35.9	13.3	13.5
FKQ2VD06-02 □ S		1/4	14	10.7	13.4	20.1	21.2	43.3	38.7	13.3	13.5
FKQ2VD06-03 □ S		3/8	17	10.7	13.4	20.1	22.5	44.6	39.7	13.3	13.5
FKQ2VD08-01 □ S	Φ8	1/8	19	13.6	17.6	23.6	19.3	45.4	42.7	14.2	16
FKQ2VD08-02 □ S		1/4	19	13.6	17.6	23.6	22.5	48.6	44.5	14.2	16
FKQ2VD08-03 □ S		3/8	19	13.6	17.6	23.6	23	49.1	44.7	14.2	16
FKQ2VD08-04 □ S	Φ10	1/2	22	13.6	17.6	23.6	27.2	53.4	47.6	14.2	16
FKQ2VD10-02 □ S		1/4	21	16.2	20.6	26.4	24.3	55.3	51.5	15.6	27
FKQ2VD10-03 □ S		3/8	21	16.2	20.6	26.4	24.8	55.8	51.5	15.6	27
FKQ2VD10-04 □ S	Φ12	1/2	22	16.2	20.6	26.4	28.5	59.5	53.6	15.6	27
FKQ2VD12-02 □ S		1/4	26	19	25.2	29.1	26.8	61.5	57.7	17	39
FKQ2VD12-03 □ S		3/8	26	19	25.2	29.1	27.3	62	57.7	17	39
FKQ2VD12-04 □ S		1/2	26	19	25.2	29.1	30.5	65.2	59.6	17	39

□ Mark/A: Brass; N: Brass+electroless nickel plating
※Reference dimensions of R-shaped thread.
Note) ΦD1 is the maximum diameter.

FKQ2 Series Joint

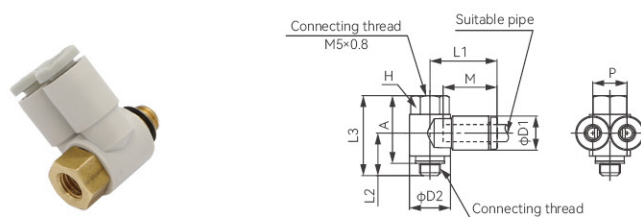
FKQ2Z Series Double-Pipe Universal Elbow(Gasket)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^{Note)}	ΦD2	L1	L2	L3	A	M	P
FKQ2Z04-M5 □	Φ4	M5×0.8	8	8.8	9.8	16.5	10.9	18.5	15	13.3	8.8

□ Mark/A: Brass; N: Brass+electroless nickel plating
Note) ΦD1 is the maximum diameter.

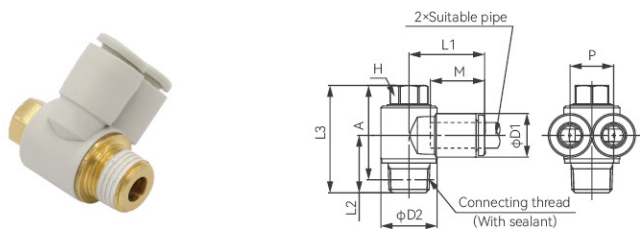
FKQ2ZF Series Double-Pipe Universal Elbow With Internal And External Threads(Gasket)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^{Note)}	ΦD2	L1	L2	L3	A	M	P
FKQ2ZF04-M5 □	Φ4	M5×0.8	8	8.8	9.8	16.5	10.9	19.2	15.7	13.3	8.8

□ Mark/A: Brass; N: Brass+electroless nickel plating
Note) ΦD1 is the maximum diameter.

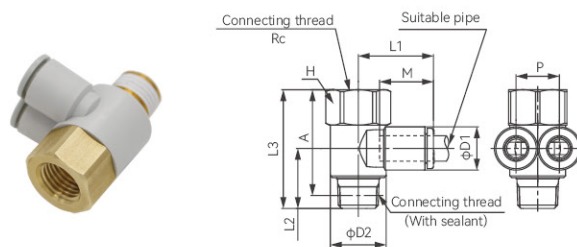
FKQ2Z Series Double-Pipe Universal Elbow(Sealant)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^{Note)}	ΦD2	L1	L2	L3	A	M	P
FKQ2Z04-01 □ S	Φ4	1/8	8	8.8	13.4	18.8	13.7	25.6	22.5	13.3	8.8
FKQ2Z06-01 □ S	Φ6	1/8	8	10.7	13.4	18.5	13.7	25.6	22.5	13.3	10.7
FKQ2Z06-02 □ S		1/4	14	10.7	20.6	21.8	19.1	34.7	30.2	13.3	10.7
FKQ2Z06-03 □ S		3/8	14	10.7	20.6	21.8	19.5	35.2	30.2	13.3	10.7
FKQ2Z08-01 □ S	Φ8	1/8	12	13.6	17.6	21.5	15.1	27.5	24.5	14.2	13.6
FKQ2Z08-02 □ S		1/4	12	13.6	17.6	21.5	18.5	30.7	26.3	14.2	13.6
FKQ2Z08-03 □ S		3/8	14	13.6	20.6	23.3	19.5	35.2	30.2	14.2	13.6
FKQ2Z10-02 □ S	Φ10	1/4	14	16.2	21.6	26.4	19.9	34.7	30.2	15.6	16.2
FKQ2Z10-03 □ S		3/8	14	16.2	21.6	26.4	20.3	35.2	30.2	15.6	16.2
FKQ2Z12-03 □ S	Φ12	3/8	17	19	24.1	28.6	21.2	37.6	32.5	17	19
FKQ2Z12-04 □ S		1/2	17	19	24.1	28.6	24.4	40.8	34.4	17	19

□ Mark/A: Brass; N: Brass+electroless nickel plating
※Reference dimensions of R-shaped threads.
Note) ΦD is the maximum diameter.

FKQ2ZF Series Double-Pipe Universal Elbow With Internal And External Threads(Sealant)

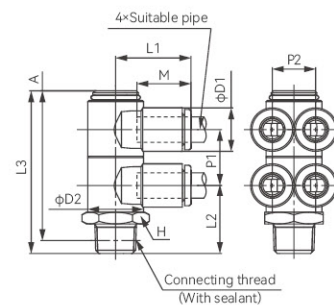


Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^{Note)}	ΦD2	L1	L2	L3	A	M	P
FKQ2ZF04-01 □ S	Φ4	1/8	14	8.8	13.4	18.8	14.2	28.7	25.4	13.3	8.8
FKQ2ZF06-01 □ S	Φ6	1/8	14	10.7	13.4	18.5	14.4	28.7	25.4	13.3	10.7
FKQ2ZF06-02 □ S		1/4	19	10.7	20.6	21.8	20	40.5	35.6	13.3	10.7
FKQ2ZF08-01 □ S	Φ8	1/8	17	13.6	17.6	21.8	14.9	30	26.9	14.2	13.6
FKQ2ZF08-02 □ S		1/4	19	13.6	20.6	23.3	17.9	38	35.6	14.2	13.6
FKQ2ZF10-02 □ S	Φ10	1/4	19	16.2	21.6	26.4	19.2	40.5	35.6	15.6	16.2
FKQ2ZF10-03 □ S		3/8	22	16.2	25.2	26.4	20.2	44	38.9	15.6	16.2
FKQ2ZF12-03 □ S	Φ12	3/8	22	19	24.1	28.6	20.8	44	38.9	17	19
FKQ2ZF12-04 □ S		1/2	24	19	27	28.6	27.2	48.9	42.5	17	19

□ Mark/A: Brass; N: Brass+electroless nickel plating
※Reference dimensions of R-shaped threads.
Note) ΦD is the maximum diameter.

FKQ2 Series Joint

FKQ2ZD Series Two-Double-Pipe Universal Elbow(Sealant)



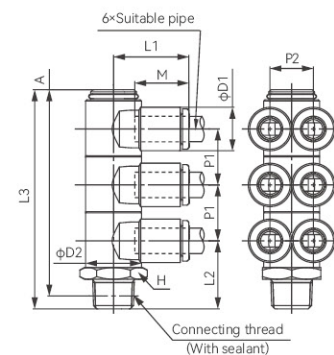
Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^{Note)}	ΦD2	L1	L2	L3	A*	M	P1	P2
FKQ2ZD04-01 □ S	Φ4	1/8	14	8.8	13.4	18.8	15.9	39.1	35.9	13.3	13.4	8.8
FKQ2ZD04-02 □ S		1/4	14	8.8	13.4	18.8	20.1	43.3	38.7	13.3	13.4	8.8
FKQ2ZD04-03 □ S		3/8	17	8.8	13.4	18.8	20.1	44.6	39.7	13.3	13.4	8.8
FKQ2ZD06-01 □ S	Φ6	1/8	14	10.7	13.4	18.5	16.2	39	35.9	13.3	13.4	10.7
FKQ2ZD06-02 □ S		1/4	14	10.7	13.4	18.5	20.4	43.4	38.7	13.3	13.4	10.7
FKQ2ZD06-03 □ S		3/8	17	10.7	13.4	18.5	21.7	44.8	39.7	13.3	13.4	10.7
FKQ2ZD08-01 □ S	Φ8	1/8	19	13.6	17.6	21.5	18.9	45.4	42.7	14.2	15.9	13.6
FKQ2ZD08-02 □ S		1/4	19	13.6	17.6	21.5	22.1	48.6	44.5	14.2	15.9	13.6
FKQ2ZD08-03 □ S		3/8	19	13.6	17.6	21.5	22.6	49.1	44.7	14.2	15.9	13.6
FKQ2ZD08-04 □ S	Φ10	1/2	22	13.6	17.6	21.5	26.8	53.4	47.6	14.2	15.9	13.6
FKQ2ZD10-02 □ S		1/4	21	16.2	20.6	26.4	24.1	55.3	51.5	15.6	19.2	16.2
FKQ2ZD10-03 □ S		3/8	21	16.2	20.6	26.4	24.6	55.8	51.5	15.6	19.2	16.2
FKQ2ZD10-04 □ S	Φ12	1/2	22	16.2	20.6	26.4	28.3	59.5	53.6	15.6	19.2	16.2
FKQ2ZD12-02 □ S		1/4	26	19	25.2	28.6	26.5	61.5	57.7	17	21.6	19
FKQ2ZD12-03 □ S		3/8	26	19	25.2	28.6	27	62	57.7	17	21.6	19
FKQ2ZD12-04 □ S		1/2	26	19	25.2	28.6	30.2	62.2	59.6	17	21.6	19

□ Mark/A: Brass; N: Brass+electroless nickel plating

※Reference dimensions of R-shaped threads.

Note) ΦD is the maximum diameter.

FKQ2ZT Series Three-Double-Pipe Universal Elbow(Sealant)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^{Note)}	ΦD2	L1	L2	L3	A*	M	P1	P2
FKQ2ZT04-01 □ S	Φ4	1/8	14	8.8	13.4	18.8	15.9	52.5	49.4	13.3	13.4	8.8
FKQ2ZT04-02 □ S		1/4	14	8.8	13.4	18.8	20.1	56.7	52.2	13.3	13.4	8.8
FKQ2ZT04-03 □ S		3/8	17	8.8	13.4	18.8	21.4	58	53.2	13.3	13.4	8.8
FKQ2ZT06-01 □ S	Φ6	1/8	14	10.7	13.4	18.5	16.2	52.5	49.4	13.3	13.4	10.7
FKQ2ZT06-02 □ S		1/4	14	10.7	13.4	18.5	20.4	56.7	52.2	13.3	13.4	10.7
FKQ2ZT06-03 □ S		3/8	17	10.7	13.4	18.5	21.7	58	53.2	13.3	13.4	10.7
FKQ2ZT08-01 □ S	Φ8	1/8	19	13.6	17.6	21.5	18.9	61.3	58.7	14.2	15	13.6
FKQ2ZT08-02 □ S		1/4	19	13.6	17.6	21.5	22.1	64.5	60.5	14.2	15	13.6
FKQ2ZT08-03 □ S		3/8	19	13.6	17.6	21.5	22.6	65	60.7	14.2	15	13.6
FKQ2ZT08-04 □ S	Φ10	1/2	22	13.6	17.6	21.5	26.8	69.3	63.6	14.2	15	13.6
FKQ2ZT10-02 □ S		1/4	21	16.2	20.6	26.4	24.1	74.1	70.8	15.6	19.2	16.2
FKQ2ZT10-03 □ S		3/8	21	16.2	20.6	26.4	24.6	74.6	70.8	15.6	19.2	16.2
FKQ2ZT10-04 □ S	Φ12	1/2	22	16.2	20.6	26.4	28.3	49.3	73.5	15.6	19.2	16.2
FKQ2ZT12-02 □ S		1/4	26	19	25.2	28.6	26.5	82.7	79.4	17	21.7	19
FKQ2ZT12-03 □ S		3/8	26	19	25.2	28.6	27	83.2	79.4	17	21.7	19
FKQ2ZT12-04 □ S		1/2	26	19	25.2	28.6	30.2	86.4	81.3	17	21.7	19

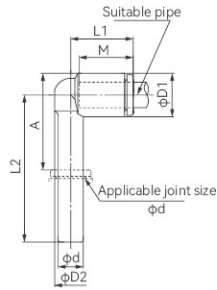
□ Mark/A: Brass; N: Brass+electroless nickel plating

※Reference dimensions of R-shaped threads.

Note) ΦD is the maximum diameter.

FKQ2 Series Joint

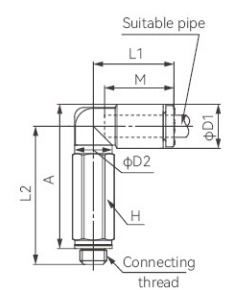
FKQ2W Series Long Insertion Elbow



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^(Note)	ΦD2	L1	L2	M
FKQ2W04-99A	Φ4	Φ4	8.2	8.8	7.2	14.8	22.6	13.3
FKQ2W06-99A	Φ6	Φ6	10.4	10.7	8	14.3	27.1	13.3
FKQ2W08-99A	Φ8	Φ8	13.2	13.6	10	16.8	34.3	14.2
FKQ2W10-99A	Φ10	Φ10	15.9	16.3	12	19.3	38.9	15.6
FKQ2W12-99A	Φ12	Φ12	18.5	19	14	22.1	44.2	17

Note) ΦD1 is the maximum diameter.

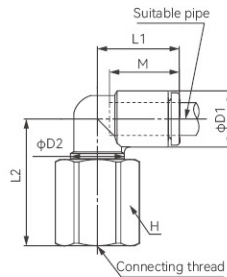
FKQ2W Series Lengthened Elbow(Gasket)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^(Note)	ΦD2	L1	L2	A [*]	M
FKQ2W04-M3G	Φ4	M3×0.8	7	8.8	7	15.4	23.5	24.5	13.3
FKQ2W04-M5 □		M5×0.8	7	8.8	7	15.4	26	26.8	13.3
FKQ2W06-M5 □	Φ6	M5×0.8	7	10.7	7	14.6	27.9	29.6	13.3

□ Mark/A: Brass; N: Brass+electroless nickel plating
Note) ΦD1 is the maximum diameter.

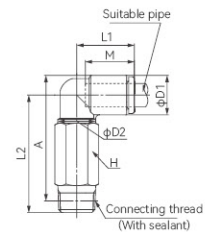
FKQ2LF Series Internal Threaded Elbow



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^(Note)	ΦD2	L1	L2	M
FKQ2LF04-M5 □	Φ4	M5×0.8	8	8.8	7	15.4	15.4	13.3
FKQ2LF04-M6 □		M6×1	8	8.8	7	15.4	16.2	13.3
FKQ2LF04-01 □		1/8	14	8.8	10	14.8	23	13.3
FKQ2LF04-02 □		1/4	17	8.8	10	14.8	26.5	13.3
FKQ2LF06-M5 □	Φ6	M5×0.8	8	10.7	7	14.6	16.3	13.3
FKQ2LF06-M6 □		M6×1	8	10.7	7	14.6	18.1	13.3
FKQ2LF06-01 □		1/8	14	10.7	10	15.3	25.3	13.3
FKQ2LF06-02 □		1/4	17	10.7	10	15.3	28.8	13.3
FKQ2LF06-03 □	Φ8	3/8	19	10.7	10	15.3	29.5	13.3
FKQ2LF08-01 □		1/8	14	13.6	10	16.3	25.5	14.2
FKQ2LF08-02 □		1/4	17	13.6	12	17.3	29.1	14.2
FKQ2LF08-03 □		3/8	19	13.6	12	17.3	30.2	14.2
FKQ2LF10-02 □	Φ10	1/4	14	16.2	17	19.6	28.8	15.6
FKQ2LF10-03 □		3/8	17	16.2	17	19.6	34.8	15.6
FKQ2LF10-04 □		1/2	19	16.2	17	19.6	37.8	15.6
FKQ2LF12-02 □	Φ12	1/4	14	19	17	21.9	30.2	17
FKQ2LF12-03 □		3/8	17	19	17	21.9	35.9	17
FKQ2LF12-04 □		1/2	19	19	17	21.9	38.9	17

□ Mark/A: Brass; N: Brass+electroless nickel plating
Note) ΦD is the maximum diameter.

FKQ2W Series Lengthened Elbow(Sealant)

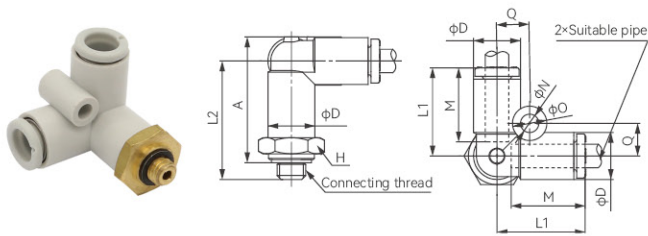


Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^(Note)	ΦD2	L1	L2	A	M
FKQ2W04-01 □ S	Φ4	1/8	10	8.8	10	14.8	28	30.9	13.3
FKQ2W04-02 □ S		1/4	14	8.8	10	14.8	33.5	32.7	13.3
FKQ2W06-01 □ S	Φ6	1/8	10	10.7	10	15.3	30.3	33.1	13.3
FKQ2W06-02 □ S		1/4	14	10.7	10	15.3	34.8	34.9	13.3
FKQ2W06-03 □ S		3/8	17	10.7	10	15.3	36.3	35.8	13.3
FKQ2W08-01 □ S	Φ8	1/8	10	13.6	10	15.3	33	35.9	14.2
FKQ2W08-02 □ S		1/4	14	13.6	12	16.3	39.5	41	14.2
FKQ2W08-03 □ S		3/8	17	13.6	12	17.3	40	40.7	14.2
FKQ2W10-02 □ S	Φ10	1/4	17	16.2	17	17.3	48.1	56.2	15.6
FKQ2W10-03 □ S		3/8	17	16.2	17	19.6	49.3	51.4	15.6
FKQ2W10-04 □ S		1/2	22	16.2	17	19.6	53.1	54.1	15.6
FKQ2W12-02 □ S	Φ12	1/4	17	19	17	19.6	49.1	58.8	17
FKQ2W12-03 □ S		3/8	17	19	17	21.9	50.4	54	17
FKQ2W12-04 □ S		1/2	22	19	17	21.9	54.2	56.7	17
FKQ2W16-02 □ S	Φ16	1/4	17	21	21	27.1	59	66.2	20.6
FKQ2W16-03 □ S		3/8	22	21	21	27.1	59.7	66.5	20.6
FKQ2W16-04 □ S		1/2	22	21	21	27.1	58.4	63.9	20.6

□ Mark/A: Brass; N: Brass+electroless nickel plating
※Reference dimensions of R-shaped thread.
Note) ΦD is the maximum diameter.

FKQ2 Series Joint

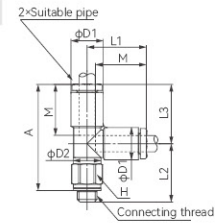
FKQ2D Series Two-Pipe Vertical Joint(Gasket)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	φD1(Notes)	L1	L2	A	M	Q	φO	φN
FKQ2D04-M5 □	φ4	M5×0.8	10	8.8	15.7	20.9	22.3	13.3	5.7	6	3.2
FKQ2D04-M6 □		M6×1	10	8.8	15.7	21.9	22.3	13.3	5.7	6	3.2
FKQ2D06-M5 □	φ6	M5×0.8	12	10.7	16.7	22.4	24.8	13.3	6.7	6	3.2
FKQ2D06-M6 □		M6×1	12	10.7	16.7	23.4	24.8	13.3	6.7	6	3.2

□ Mark/A: Brass; N: Brass+electroless nickel plating
Note) φD1 is the maximum diameter.

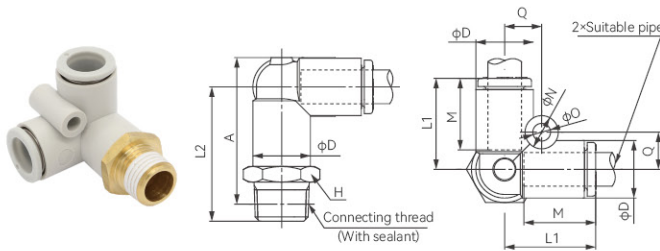
FKQ2Y Series Auxiliary T-shaped joint(Gasket)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	φD1(Notes)	φD2	L1	L2	L3	A	M
FKQ2Y04-M3G	φ4	M3×0.8	7	8.8	7	15.3	14.3	15.3	27.3	13.3
FKQ2Y04-M5 □		M5×0.8	7	8.8	7	15.3	15	15.3	27.3	13.3
FKQ2Y04-M6 □		M6×1	8	8.8	7	15.3	16	15.3	27.3	13.3
FKQ2Y06-M5 □	φ6	M5×0.8	7	10.7	7	16.3	16.7	16.3	30	13.3
FKQ2Y06-M6 □		M6×1	8	10.7	7	16.3	16.7	16.3	30	13.3

□ Mark/A: Brass; N: Brass+electroless nickel plating
Note) φD1 is the maximum diameter.

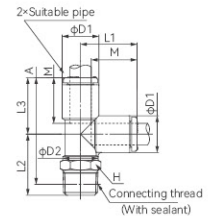
FKQ2D Series Two-Pipe Vertical Joint(Sealant)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	φD1(Notes)	L1	L2	A*	M	Q	φO	φN
FKQ2D04-01 □ S	φ4	1/8	10	8.8	15.7	23.9	24.3	13.3	5.7	6	3.2
FKQ2D04-02 □ S		1/4	14	8.8	15.7	28.3	27.1	13.3	5.7	6	3.2
FKQ2D06-01 □ S	φ6	1/8	12	10.7	16.7	25.2	26.4	13.3	6.7	6	3.2
FKQ2D06-02 □ S		1/4	14	10.7	16.7	28.9	29.2	13.3	6.7	6	3.2
FKQ2D06-03 □ S		3/8	17	10.7	16.7	30.4	30.2	13.3	6.7	6	3.2
FKQ2D08-01 □ S	φ8	1/8	14	13.6	18.7	27.3	29.8	14.2	8.4	8	4.2
FKQ2D08-02 □ S		1/4	14	13.6	18.7	30.5	32.6	14.2	8.4	8	4.2
FKQ2D08-03 □ S	φ10	3/8	17	13.6	18.7	32.4	33.6	14.2	8.4	8	4.2
FKQ2D10-02 □ S		1/8	17	16.2	21.4	33.8	36.3	15.6	9.6	8	4.2
FKQ2D10-03 □ S	φ12	1/4	17	16.2	21.4	34.6	37.3	15.6	9.6	8	4.2
FKQ2D10-04 □ S		3/8	22	16.2	21.4	38.8	40.2	15.6	9.6	8	4.2
FKQ2D12-02 □ S	φ12	1/8	19	19	23.6	36	40	17	10.7	8	4.2
FKQ2D12-03 □ S		1/4	19	19	23.6	36.8	41	17	10.7	8	4.2
FKQ2D12-04 □ S		3/8	22	19	23.6	41	43.9	17	10.7	8	4.2

□ Mark/A: Brass; N: Brass+electroless nickel plating
*Reference dimensions of R-shaped threads.
Note) φD is the maximum diameter.

FKQ2Y Series Auxiliary T-shaped joint(Sealant)

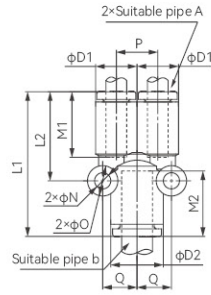


Model	Suitable Pipe Outer Diameter	Connecting Thread	H	φD1(Notes)	φD2	L1	L2	L3	A	M
FKQ2Y04-01 □ S	φ4	1/8	10	8.8	10	15.3	16.3	15.3	28.4	13.3
FKQ2Y04-02 □ S		1/4	14	8.8	10	15.3	20.5	15.3	32.3	13.3
FKQ2Y06-01 □ S	φ6	1/8	10	10.7	10	16.3	18	16.3	30.5	13.3
FKQ2Y06-02 □ S		1/4	14	10.7	10	16.3	22.2	16.3	34.4	13.3
FKQ2Y06-03 □ S		3/8	17	10.7	10	18.3	23.7	16.3	35.3	13.3
FKQ2Y08-01 □ S	φ8	1/8	10	13.6	12	18.3	18.5	18.3	33.8	14.2
FKQ2Y08-02 □ S		1/4	14	13.6	12	18.3	25.1	18.3	38.9	14.2
FKQ2Y08-03 □ S		3/8	17	13.6	12	21.1	25.6	18.3	38.6	14.2
FKQ2Y10-01 □ S	φ10	1/8	12	16.2	17	20.6	23.9	20.6	41.1	15.6
FKQ2Y10-02 □ S		1/4	17	16.2	17	20.6	28.6	20.6	44.6	15.6
FKQ2Y10-03 □ S		3/8	17	16.2	17	20.6	29.5	20.6	45.1	15.6
FKQ2Y10-04 □ S		1/2	22	16.2	17	20.6	32.9	20.6	47.8	15.6
FKQ2Y12-02 □ S	φ12	1/4	17	19	17	23.1	30.1	23.1	48.3	17
FKQ2Y12-03 □ S		3/8	17	19	17	23.1	31	23.1	48.8	17
FKQ2Y12-04 □ S		1/2	22	19	17	23.1	34.4	23.1	51.5	17
FKQ2Y16-02 □ S	φ16	1/4	17	23.8	17	28.6	32.6	28.6	56.5	20.6
FKQ2Y16-03 □ S		3/8	22	23.8	21	28.6	35.4	28.6	58.9	20.6
FKQ2Y16-04 □ S		1/2	22	23.8	21	28.6	34.1	28.6	56.3	20.6

□ Mark/A: Brass; N: Brass+electroless nickel plating
*Reference dimensions of R-shaped threads.
Note) φD is the maximum diameter.

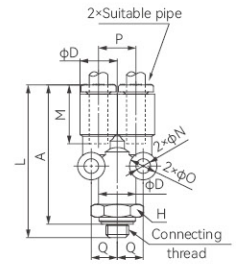
FKQ2 Series Joint

FKQ2U Series Reducing Y-Shaped Nozzle



Model	Suitable Pipe Outer Diameter		ΦD1 ^{Note}	ΦD2 ^{Note}	L1	L2	P	M1	M2	Q	ΦO	ΦN
FKQ2U04-06A	Φ4	Φ6	8.8	10.7	29	17.8	8.2	13.3	13.3	6.8	6	3.2
FKQ2U06-08A	Φ6	Φ8	10.7	13.6	31	19.3	10.4	13.3	14.2	8.2	6	3.2
FKQ2U08-10A	Φ8	Φ10	13.6	16.2	34.6	21.7	13.2	14.2	15.6	10.1	8	4.2
FKQ2U10-12A	Φ10	Φ12	16.2	19	38.5	24.8	15.9	15.6	17	11.4	8	4.2
FKQ2U12-16A	Φ12	Φ16	19	23.8	47.9	31	18.5	17	20.6	14	8	4.2

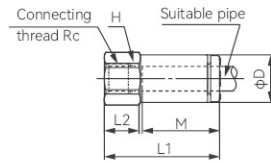
FKQ2U Series Y-Shaped Joint(Gasket)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD ^{Note}	L	A	M	P	Q	ΦO	ΦN
FKQ2U04-M5 □	Φ4	M5×0.8	10	8.8	33.9	30.9	13.3	8.8	5.7	6	3.2
FKQ2U04-M6 □		M6×1	10	8.8	34.9	30.9	13.3	8.8	5.7	6	3.2
FKQ2U06-M5 □	Φ6	M5×0.8	12	10.7	35	32	13.3	10.7	6.8	6	3.2
FKQ2U06-M6 □		M6×1	12	10.7	36	32	13.3	10.7	6.8	6	3.2

□ Mark/A: Brass; N: Brass+electroless nickel plating
Note) ΦD1 is the maximum diameter.

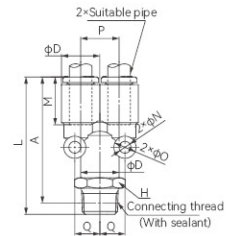
FKQ2F Series Internal Thread Straight Through Joint



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^{Note}	L1	L2	M
FKQ2F04-M3 □	Φ4	M3×0.5	8	7.9	17.3	6	13.3
FKQ2F04-M5 □		M5×0.8	8	7.9	19.3	6	13.3
FKQ2F04-01 □		1/8	14	8.0	23.8	9	13.3
FKQ2F04-02 □		1/4	17	8.0	28.8	13	13.3
FKQ2F06-M5 □	Φ6	M5×0.8	10	9.9	18.3	5.6	13.3
FKQ2F06-01 □		1/8	14	10	23.8	8.8	13.3
FKQ2F06-02 □		1/4	17	10	28.3	12.5	13.3
FKQ2F06-03 □		3/8	19	10	29.8	13.5	13.3
FKQ2F08-01 □	Φ8	1/8	14	12.4	24.1	8.9	14.2
FKQ2F08-02 □		1/4	17	12.4	28.8	12.8	14.2
FKQ2F08-03 □		3/8	19	12.4	30.3	13	14.2
FKQ2F10-02 □	Φ10	1/4	17	14.9	30.1	13	15.6
FKQ2F10-03 □		3/8	19	14.9	31.6	13.6	15.6
FKQ2F12-02 □	Φ12	1/4	19	17.4	31.1	12.8	17
FKQ2F12-03 □		3/8	19	17.4	32.6	13.3	17
FKQ2F12-04 □		1/2	24	17.4	36.6	16	17
FKQ2F16-03 □	Φ16	3/8	24	22	34.7	12.6	20.6
FKQ2F16-04 □		1/2	24	22	38.7	15.9	20.6

□ Mark/A: Brass; N: Brass+electroless nickel plating
Note) ΦD is the maximum diameter.

FKQ2U Series Y-Shaped Joint(Sealant)

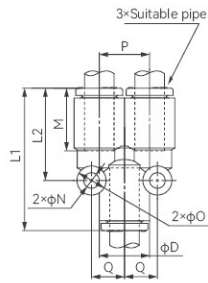


Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD ^{Note}	L	A*	M	P	Q	ΦO	ΦN
FKQ2U23-01 □ S	Φ3.2	1/8	10	7.4	36.4	33.3	13.3	7.4	5.2	6	3.2
FKQ2U23-02 □ S		1/4	14	7.4	40.8	36.1	13.3	7.4	5.2	6	3.2
FKQ2U04-01 □ S	Φ4	1/8	10	8.8	36.5	33.4	13.3	8.8	5.7	6	3.2
FKQ2U04-02 □ S		1/4	14	8.8	41.3	36.2	13.3	8.8	5.7	6	3.2
FKQ2U06-01 □ S	Φ6	1/8	12	10.7	38.3	34.5	13.3	10.7	6.8	6	3.2
FKQ2U06-02 □ S		1/4	14	10.7	42	37.3	13.3	10.7	6.8	6	3.2
FKQ2U06-03 □ S		3/8	17	10.7	43.5	38.3	13.3	10.7	6.8	6	3.2
FKQ2U08-01 □ S	Φ8	1/8	14	13.6	41.5	37.6	14.2	13.6	8.7	8	4.2
FKQ2U08-02 □ S		1/4	14	13.6	44.7	40.4	14.2	13.6	8.7	8	4.2
FKQ2U08-03 □ S		3/8	17	13.6	46.6	41.4	14.2	13.6	8.7	8	4.2
FKQ2U10-02 □ S	Φ10	1/4	17	16.2	49.6	44.3	15.6	16.2	10.1	8	4.2
FKQ2U10-03 □ S		3/8	17	16.2	50.4	45.3	15.6	16.2	10.1	8	4.2
FKQ2U10-04 □ S	Φ12	1/2	22	16.2	54.6	48.2	15.6	16.2	10.1	8	4.2
FKQ2U12-02 □ S		1/4	19	19	53.6	48.3	17	19	11.4	8	4.2
FKQ2U12-03 □ S		3/8	19	19	54.4	49.3	17	19	11.4	8	4.2
FKQ2U12-04 □ S	Φ16	1/2	22	19	58.6	52.2	17	19	11.4	8	4.2
FKQ2U16-02 □ S		1/4	24	23.8	62.4	57.7	20.6	23.8	14	8	4.2
FKQ2U16-03 □ S		3/8	24	23.8	63.8	58.7	20.6	23.8	14	8	4.2
FKQ2U16-04 □ S	Φ16	1/2	24	23.8	68	61.6	20.6	23.8	14	8	4.2

□ Mark/A: Brass; N: Brass+electroless nickel plating
※Reference dimensions of R-shaped threads.
Note) ΦD is the maximum diameter.

FKQ2 Series Joint

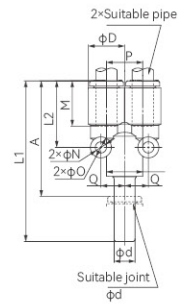
FKQ2U Series Y-Shaped Nozzle



Model	Suitable Pipe Outer Diameter	ΦD ^(Note)	L1	L2	P	M	Q	ΦO	ΦN
FKQ2U04-00A	Φ4	8.8	28.7	18.1	8.8	13.3	5.7	6	3.2
FKQ2U06-00A	Φ6	10.7	29.8	19.4	10.7	13.3	6.8	6	3.2
FKQ2U08-00A	Φ8	13.6	32.9	22	13.6	14.2	8.7	8	4.2
FKQ2U10-00A	Φ10	16.2	37.2	25.1	16.2	15.6	10.1	8	4.2
FKQ2U12-00A	Φ12	19	41.1	27.7	19	17	11.4	8	4.2
FKQ2U16-00A	Φ16	23.8	51.5	35	23.8	20.6	14	8	4.2

Note) ΦD is the maximum diameter.

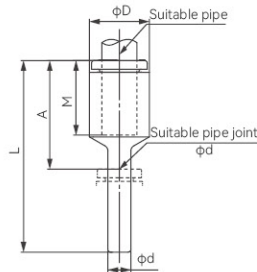
FKQ2U Series Y-Shaped Nozzle



Model	Suitable Pipe Outer Diameter	Applicable joint	ΦD ^(Note)	L1	L2	P	A	M	Q	ΦO	ΦN
FKQ2U04-99A	Φ4	Φ4	8.2	46.1	18.1	8.8	32.8	13.3	5.7	6	3.2
FKQ2U06-99A	Φ6	Φ6	10.4	47.2	19.4	10.7	33.9	13.3	6.8	6	3.2
FKQ2U08-99A	Φ8	Φ8	13.2	51.8	22	13.6	37.6	14.2	8.7	8	4.2
FKQ2U10-99A	Φ10	Φ10	15.9	56.8	25.1	16.2	41.2	15.6	10.1	8	4.2
FKQ2U12-99A	Φ12	Φ12	18.5	65.8	27.7	19	48.8	17	11.4	8	4.2
FKQ2U16-99A	Φ16	Φ16	23.8	75.9	35	23.8	55.3	20.6	14	8	4.2

Note) ΦD is the maximum diameter.

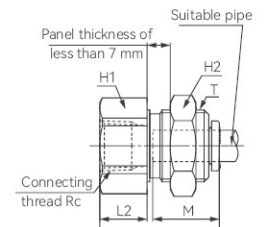
FKQ2R Series Insertion Reducing Nozzle



Model	Suitable Pipe Outer Diameter	Applicable Threaded	ΦD ^(Note)	L	A	M
FKQ2R04-06A	Φ4	Φ6	8.8	29.5	16.2	13.3
FKQ2R04-08A		Φ8	8.8	29.5	15.3	13.3
FKQ2R04-10A		Φ10	10.7	33.6	18	13.3
FKQ2R06-04A	Φ6	Φ4	10.7	33.6	20.3	13.3
FKQ2R06-08A		Φ6	10.7	31.5	17.3	13.3
FKQ2R06-10A		Φ8	10.7	33.6	18	13.3
FKQ2R06-12A		Φ10	13.6	36.5	19.5	13.3
FKQ2R08-10A	Φ8	Φ10	13.6	35	19.4	14.2
FKQ2R08-12A		Φ12	13.6	36.5	19.5	14.2
FKQ2R10-12A	Φ10	Φ12	16.2	39.2	22.8	15.6
FKQ2R10-16A		Φ16	16.2	44.7	24.1	15.6
FKQ2R12-06A	Φ12	Φ16	19	45.7	25.1	17

Note) ΦD is the maximum diameter.

FKQ2E Series Panel-mounted straight-connection internal threaded joint

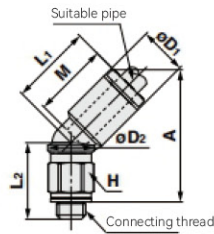


Model	Suitable Pipe Outer Diameter	Connecting Thread	T(M)	H1	H2	L1	L2	Installation Hole	M
FKQ2E23-02 □	Φ3.2	1/4	M12×1	17	14	28.8	14.5	13	13.3
FKQ2E04-01 □	Φ4	1/8	M12×1	14	14	24.3	10	13	13.3
FKQ2E04-02 □		1/4	M12×1	17	14	28.8	14.5	13	13.3
FKQ2E06-01 □	Φ6	1/8	M14×1	17	17	23.8	9	15	13.3
FKQ2E06-02 □		1/4	M14×1	17	17	28.3	13.5	15	13.3
FKQ2E06-03 □		3/8	M14×1	19	17	30.3	15.5	15	13.3
FKQ2E08-01 □	Φ8	1/8	M16×1	17	19	24.1	6.8	17	14.2
FKQ2E08-02 □		1/4	M16×1	17	19	28.3	11	17	14.2
FKQ2E08-03 □		3/8	M16×1	19	19	31.8	14.5	17	14.2
FKQ2E10-02 □	Φ10	1/4	M20×1	22	24	29.6	10	21	15.6
FKQ2E10-03 □		3/8	M20×1	22	24	31.6	12	21	15.6
FKQ2E12-03 □	Φ12	3/8	M22×1	24	27	32.6	12	23	17
FKQ2E12-04 □		1/2	M22×1	24	27	38.1	17.5	23	17
FKQ2E16-03 □	Φ16	3/8	M28×1.5	30	32	34.4	11.5	29	20.6
FKQ2E16-04 □		1/2	M28×1.5	30	32	38.8	15.9	29	20.6

□ Mark/A: Brass; N: Brass+electroless nickel plating

FKQ2 Series Joint

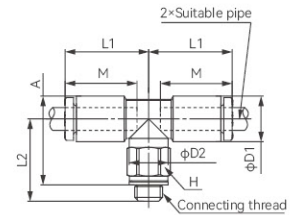
FKQ2K Series 45° Elbow (Sealed With Gasket)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^{Note)}	ΦD2	L1	L2	A	M
FKQ2K04-M5 □	Φ4	M5×0.8	7	8.8	7	14.4	13.1	22.8	13.3
FKQ2K04-M6 □		M6×1	8	8.8	7	14.4	14.1	22.8	13.3
FKQ2K06-M5 □	Φ6	M5×0.8	7	10.7	7	14.4	17	27.4	13.3
FKQ2K06-M6 □		M6×1	8	10.7	7	14.4	18.0	27.4	13.3

□ Mark/A: Brass; N: Brass+electroless nickel plating
Note) ΦD1 is the maximum diameter.

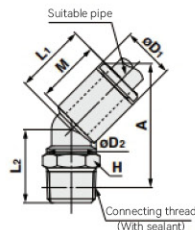
FKQ2T Series External Threaded T-Shaped Joint(Gasket)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^{Note)}	ΦD2	L1	L2	A	M
FKQ2T04-M3G	Φ4	M3×0.8	7	8.2	7	15.3	14.5	15.8	13.3
FKQ2T04-M5 □		M5×0.8	7	8.2	7	15.3	15	15.9	13.3
FKQ2T04-M6 □		M6×1	8	8.2	7	15.3	16	15.9	13.3
FKQ2T06-M5 □	Φ6	M5×0.8	7	10.4	7	14.3	16.8	18.7	13.3
FKQ2T06-M6 □		M6×1	8	10.4	7	14.3	17.8	18.7	13.3

□ Mark/A: Brass; N: Brass+electroless nickel plating
Note) ΦD1 is the maximum diameter.

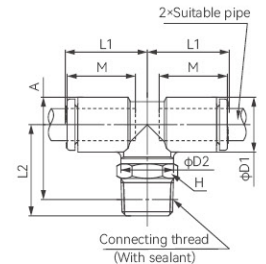
FKQ2K Series 45° Elbow(Sealant)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^{Note)}	ΦD2	L1	L2	A [*]	M
FKQ2K04-01 □ S	Φ4	1/8	10	8.8	10	14.4	12.7	22.3	13.3
FKQ2K04-02 □ S		1/4	14	8.8	10	14.4	17.2	25.2	13.3
FKQ2K06-01 □ S	Φ6	1/8	10	10.7	10	14.7	14.8	25.3	13.3
FKQ2K06-02 □ S		1/4	14	10.7	10	14.7	19.3	28.2	13.3
FKQ2K06-03 □ S		3/8	17	10.7	10	14.7	20.6	29.1	13.3
FKQ2K08-01 □ S	Φ8	1/8	10	13.6	10	16	15.7	28	14.2
FKQ2K08-02 □ S		1/4	14	13.6	12	16	22.4	33.1	14.2
FKQ2K08-03 □ S		3/8	17	13.6	12	16	22.5	32.8	14.2
FKQ2K10-01 □ S	Φ10	1/8	12	16.2	12	18.2	21.5	36.2	15.6
FKQ2K10-02 □ S		1/4	17	16.2	17	17.6	29.1	41.8	15.6
FKQ2K10-03 □ S		3/8	17	16.2	17	17.6	24.3	36.6	15.6
FKQ2K10-04 □ S		1/2	22	16.2	17	17.6	28.3	39.3	15.6
FKQ2K12-02 □ S	Φ12	1/4	17	19	17	19.4	29	43.8	17
FKQ2K12-03 □ S		3/8	17	19	17	19.4	24.2	38.6	17
FKQ2K12-04 □ S		1/2	22	19	17	19.4	28.2	41.3	17
FKQ2K16-02 □ S	Φ16	1/4	17	23.8	17	24.3	29.6	49.2	20.6
FKQ2K16-03 □ S		3/8	22	23.8	21	23.8	31.4	50.2	20.6
FKQ2K16-04 □ S		1/2	22	23.8	21	23.8	30.1	47.6	20.6

□ Mark/A: Brass; N: Brass+electroless nickel plating
*Reference dimensions of R-shaped thread.
Note) ΦD1 is the maximum diameter.

FKQ2T Series External Threaded T-shaped joint(Sealant)

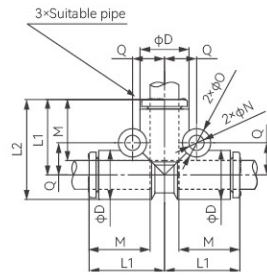


Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^{Note)}	ΦD2	L1	L2	A [*]	M
FKQ2T04-01 □ S	Φ4	1/8	10	8.8	10	14.6	16.3	17.2	13.3
FKQ2T04-02 □ S		1/4	14	8.8	10	14.6	20.5	21.1	13.3
FKQ2T06-01 □ S	Φ6	1/8	10	10.7	10	15.3	17.8	19.4	13.3
FKQ2T06-02 □ S		1/4	14	10.7	10	15.3	22	23.3	13.3
FKQ2T06-03 □ S		3/8	17	10.7	10	15.3	23.5	24.2	13.3
FKQ2T08-01 □ S	Φ8	1/8	10	13.6	10	16.3	19	22.2	14.2
FKQ2T08-02 □ S		1/4	14	13.6	12	17.3	24.9	27.3	14.2
FKQ2T08-03 □ S		3/8	17	13.6	12	17.3	25.4	27	14.2
FKQ2T10-01 □ S	Φ10	1/8	12	16.2	12	18.7	24	28.4	15.6
FKQ2T10-02 □ S		1/4	17	16.2	17	19.4	28.7	31.9	15.6
FKQ2T10-03 □ S		3/8	17	16.2	17	19.6	29.8	32.4	15.6
FKQ2T10-04 □ S		1/2	22	16.2	17	19.6	33.2	35.1	15.6
FKQ2T12-02 □ S	Φ12	1/4	17	19	17	21.7	30	34.5	17
FKQ2T12-03 □ S		3/8	17	19	17	21.5	31.2	35	17
FKQ2T12-04 □ S		1/2	22	19	17	21.5	34.6	37.7	17
FKQ2T16-02 □ S	Φ16	1/4	17	23.8	17	25.1	32.6	39.8	20.6
FKQ2T16-03 □ S		3/8	22	23.8	21	27.1	35.4	42.2	20.6
FKQ2T16-04 □ S		1/2	22	23.8	21	27.1	34.1	39.6	20.6

□ Mark/A: Brass; N: Brass+electroless nickel plating
*Reference dimensions of R-shaped thread.
Note) ΦD is the maximum diameter.

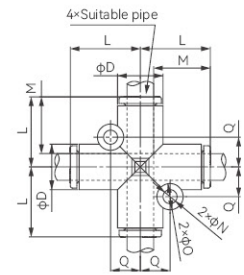
FKQ2 Series Joint

FKQ2T Series T-Shaped Nozzle



Model	Suitable Pipe Outer Diameter	ΦD ^(Note)	L1	L2	M	Q	ΦO	ΦN
FKQ2T04-00A	Φ4	8.8	15.3	19.5	13.3	5.7	6	3.2
FKQ2T06-00A	Φ6	10.7	16.2	21.5	13.3	6.8	6	3.2
FKQ2T08-00A	Φ8	13.6	18.1	24.8	14.2	8.4	8	4.2
FKQ2T10-00A	Φ10	16.2	20.7	28.7	15.6	9.6	8	4.2
FKQ2T12-00A	Φ12	19	23	32.7	17	10.7	8	4.2
FKQ2T16-00A	Φ16	23.8	31	42.9	20.6	13.4	8	4.2

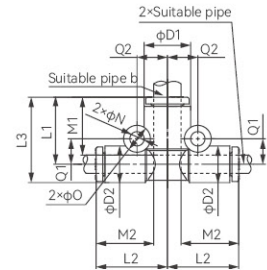
FKQ2TW Series Cross Connecting Nozzle



Model	Suitable Pipe Outer Diameter	ΦD ^(Note)	L	Q	M	ΦO	ΦN
FKQ2TW04-00A	Φ4	8.8	15.2	5.7	13.3	6	3.2
FKQ2TW06-00A	Φ6	10.7	16.1	6.8	13.3	6	3.2
FKQ2TW08-00A	Φ8	13.6	18.1	8.4	14.2	8	4.2
FKQ2TW10-00A	Φ10	16.2	20.9	9.6	15.6	8	4.2
FKQ2TW12-00A	Φ12	19	23.2	10.7	17	8	4.2

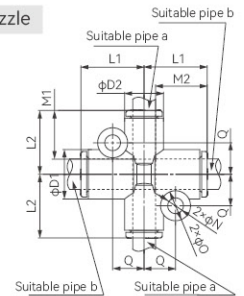
Note) ΦD1 is the maximum diameter.

FKQ2T Series Reducing T-Shaped Nozzle



Model	Suitable Pipe Outer Diameter a	Suitable Pipe Outer Diameter b	ΦD1 ^(Note)	ΦD2	L1	L2	L3	M1	M2	Q1	Q2	ΦO	ΦN
FKQ2T23-04A	Φ3.2	Φ4	8.8	7.4	15	15.3	18.5	13.3	13.3	5.4	5.8	6	3.2
FKQ2T04-06A	Φ4	Φ6	10.7	8.8	15.2	16.2	19.3	13.3	13.3	5.7	6.8	6	3.2
FKQ2T06-08A	Φ6	Φ8	13.6	10.7	16.9	17.3	22.3	14.2	13.3	7.3	8.4	8	4.2
FKQ2T08-10A	Φ8	Φ10	16.2	13.6	20.1	19.1	26.9	15.6	14.2	8.4	9.6	8	4.2
FKQ2T10-12A	Φ10	Φ12	19	16.2	22.1	21.6	30.2	17	15.6	9.6	10.7	8	4.2
FKQ2T12-16A	Φ12	Φ16	23.8	19	26.6	25	35.9	20.6	17	10.7	13.4	8	4.2

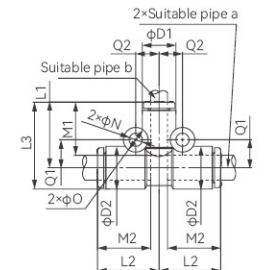
FKQ2TX Series Reducing Cross Connecting Nozzle



Model	Suitable Pipe Outer Diameter a	Suitable Pipe Outer Diameter b	ΦD1 ^(Note)	ΦD2 ^(Note)	L1	L2	Q	M1	M2	ΦO	ΦN
FKQ2TX06-08A	Φ6	Φ8	13.6	13.6	18.1	18.1	8.4	13.3	14.2	8	4.2
FKQ2TX08-10A	Φ8	Φ10	16.2	16.2	20.9	20.9	9.6	14.2	15.6	8	4.2
FKQ2TX10-12A	Φ10	Φ12	19	19	23.2	23.2	10.7	15.6	17	-	4.2

Note) ΦD1, ΦD2 is the maximum diameter.

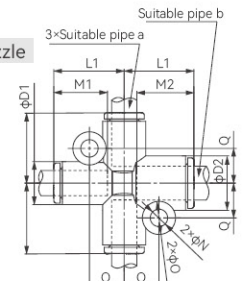
FKQ2T Series Reducing T-Shaped Nozzle



Model	Suitable Pipe Outer Diameter a	Suitable Pipe Outer Diameter b	ΦD1 ^(Note)	ΦD2	L1	L2	L3	M1	M2	Q1	Q2	ΦO	ΦN
FKQ2T06-04A	Φ6	Φ4	10.7	10.7	16.2	16.2	21.5	13.3	13.3	6.8	5.7	6	3.2
FKQ2T08-06A	Φ8	Φ6	13.6	13.6	18.1	18.1	23.8	13.3	14.2	8.4	7.3	8	4.2
FKQ2T10-08A	Φ10	Φ8	16.2	16.2	20.7	20.7	28.7	14.2	15.6	9.6	8.4	8	4.2
FKQ2T12-10A	Φ12	Φ10	19	19	23	23	32.7	15.6	17	10.7	9.6	8	4.2

Note) ΦD1 is the maximum diameter.

FKQ2TY Series Reducing Cross Connecting Nozzle

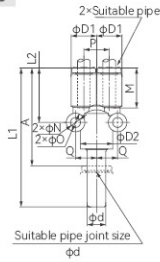


Model	Suitable Pipe Outer Diameter a	Suitable Pipe Outer Diameter b	ΦD1 ^(Note)	ΦD2 ^(Note)	L1	L2	Q	M1	M2	ΦO	ΦN
FKQ2TY06-08A	Φ6	Φ8	13.6	13.6	18.1	18.1	8.4	13.3	14.2	8	4.2
FKQ2TY08-10A	Φ8	Φ10	16.2	16.2	20.9	20.9	9.6	14.2	15.6	8	4.2
FKQ2TY10-12A	Φ10	Φ12	19	19	23.2	23.2	10.7	15.6	17	8	4.2

Note) ΦD1, ΦD2 is the maximum diameter.

FKQ2 Series Joint

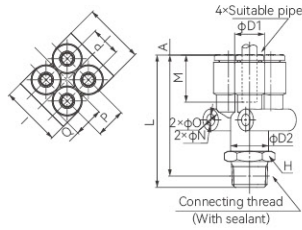
FKQ2X Series Insertion Reducing Y-Shaped Nozzle



Model	Suitable Pipe Outer Diameter	Applicable joint	ΦD1 ^(note)	ΦD2 ^(note)	L1	L2	A	P	M	Q	ΦO	ΦN
FKQ2X04-06A	Φ4	Φ6	8.8	10.7	46.2	17.8	32.9	8.8	13.3	6.8	6	3.2
FKQ2X06-08A	Φ6	Φ8	10.7	13.6	49.9	19.3	35.7	10.7	13.3	8.2	6	3.2
FKQ2X08-10A	Φ8	Φ10	13.6	16.2	53.9	21.7	38.3	13.6	14.2	10.1	8	4.2
FKQ2X10-12A	Φ10	Φ12	16.2	19	57.9	24.8	40.9	16.2	15.6	11.4	8	4.2

Note) ΦD1, ΦD2 is the maximum diameter.

FKQ2UD Series Four-Pipe Y-Shaped Joint(Sealant)



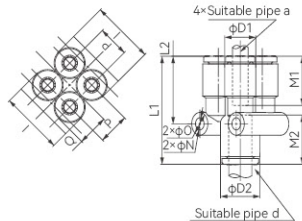
Model	Suitable Pipe Outer Diameter	Applicable joint	H	ΦD1 ^(note)	ΦD2 ^(note)	L	I	A*	M	P	Q	ΦO	ΦN
FKQ2UD04-01 □ S	Φ4	1/8	12	8.8	10.7	37.3	17.6	33.6	13.3	8.8	6.8	6	3.2
FKQ2UD04-02 □ S		1/4	14	8.8	10.7	41.7	17.6	36.4	13.3	8.8	6.8	6	3.2
FKQ2UD06-01 □ S	Φ6	1/8	14	10.7	13.6	40.1	21.4	36.4	13.3	10.7	8.2	6	3.2
FKQ2UD06-02 □ S		1/4	14	10.7	13.6	43.8	21.4	39.2	13.3	10.7	8.2	6	3.2

□ Mark/A: Brass; N: Brass+electroless nickel plating

*Reference dimensions of R-shaped threads.

Note) ΦD1 is the maximum diameter.

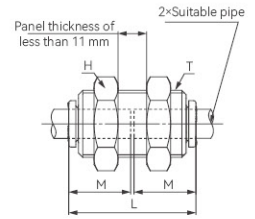
FKQ2UD Series Reducing Four-Pipe Y-Shaped Nozzle



Model	Suitable Pipe Outer Diameter a	Suitable Pipe Outer Diameter b	ΦD1 ^(note)	ΦD2 ^(note)	L1	L2	P	I	M1	M2	Q	ΦO	ΦN
FKQ2UD04-06A	Φ4	Φ6	8.8	10.7	29.1	18	8.8	17.3	13.3	13.3	6.8	6	3.2
FKQ2UD06-08A	Φ6	Φ8	10.7	13.6	31.6	20.3	10.7	21.4	13.3	14.2	8.2	6	3.2

Note) ΦD1, ΦD2 is the maximum diameter.

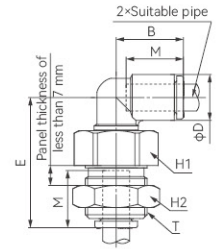
FKQ2E Series Panel-Mounted Straight-Connection Nozzle (KQ Interchange Type)



Model	Suitable Pipe Outer Diameter	T(M)	H	L	Installation Hole	M
FKQ2E04-00 □	Φ4	M12×1	14	27.1	13	13.3
FKQ2E06-00 □	Φ6	M14×1	17	27.6	15	13.3
FKQ2E08-00 □	Φ8	M16×1	19	29.2	17	14.2
FKQ2E10-00 □	Φ10	M20×1	24	32.6	21	15.6
FKQ2E12-00 □	Φ12	M22×1	27	35.4	23	17
FKQ2E16-00 □	Φ16	M28×1.5	32	41.9	29	20.6

□ Mark/A: Brass; N: Brass+electroless nickel plating

FKQ2LE Series Panel-Mounted Elbow



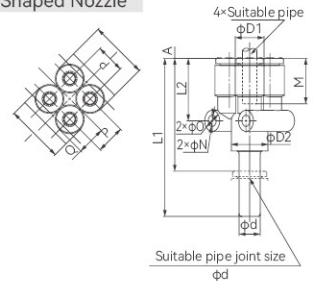
Model	Suitable Pipe Outer Diameter	T(M)	H1	H2	B	E	ΦD ^(note)	Installation Hole	M
FKQ2LE04-00 □	Φ4	M12×1	14	14	14.8	28	8.8	13	13.3
FKQ2LE06-00 □	Φ6	M14×1	17	17	15.3	30.3	10.7	15	13.3
FKQ2LE08-00 □	Φ8	M16×1	17	19	17.3	32	13.6	17	14.2
FKQ2LE10-00 □	Φ10	M20×1	22	24	19.6	33.7	16.2	21	15.6
FKQ2LE12-00 □	Φ12	M22×1	24	27	21.9	43.5	19	23	17

□ Mark/A: Brass; N: Brass+electroless nickel plating

*Reference dimensions of R-shaped threads.

Note) ΦD1 is the maximum diameter.

FKQ2XD Series Insertion Four-Pipe Y-Shaped Nozzle

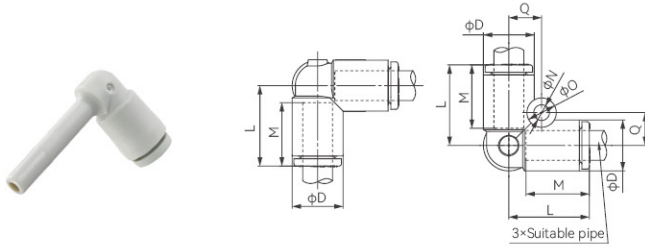


Model	Suitable Pipe Outer Diameter a	Suitable Pipe Outer Diameter b	ΦD1 ^(note)	ΦD2	L1	L2	P	I	M1	M2	Q	ΦO	ΦN
FKQ2XD04-06A	Φ4	Φ6	8.8	10.7	46.5	18	33.2	17.6	8.8	13.3	6.8	6	3.2
FKQ2XD06-08A	Φ6	Φ8	10.7	13.6	50.5	20.3	36.3	21.4	10.7	13.3	8.2	6	3.2

Note) ΦD1 is the maximum diameter.

FKQ2 Series Joint

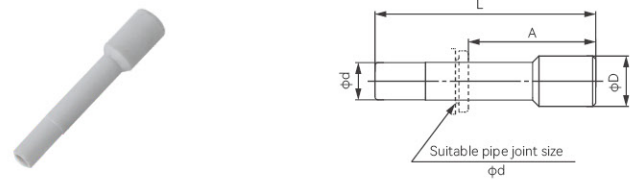
FKQ2D Series Two-Pipe Vertical Nozzle



Model	Suitable Pipe Outer Diameter	ΦD ^{Note)}	L	M	Q	ΦO	ΦN
FKQ2D04-00A	Φ4	8.8	15.7	13.3	5.7	6	3.2
FKQ2D06-00A	Φ6	10.7	16.7	13.3	6.7	6	3.2
FKQ2D08-00A	Φ8	13.6	18.7	14.2	8.4	8	4.2
FKQ2D10-00A	Φ10	16.2	21.4	15.6	9.6	8	4.2
FKQ2D12-00A	Φ12	19	23.6	17	10.7	8	4.2

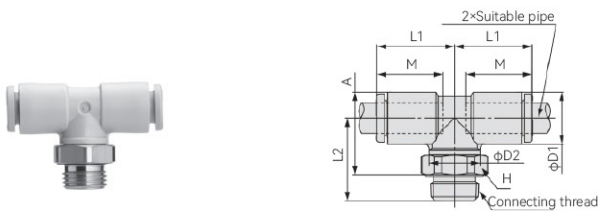
Note) ΦD is the maximum diameter.

FKQ2P Series Plug



Model	Suitable Pipe Outer Diameter	ΦD	L	A
FKQ2P-04	Φ4	6	32	18.7
FKQ2P-06	Φ6	8	35	21.7
FKQ2P-08	Φ8	10	39	24.8
FKQ2P-10	Φ10	12	43	27.4
FKQ2P-12	Φ12	14	45.5	28.5
FKQ2P-16	Φ16	20.9	47	26.4

FKQ2T Series Double-Pipe T-Shaped Joint (Sealed With Gasket)

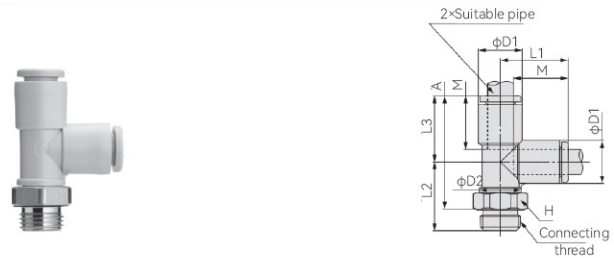


Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^{Note 1)}	ΦD2	L1	L2	A	M
FKQ2T04-01 □ P	Φ4	1/8	12	8	10	14.7	15.4	14.4	13.3
FKQ2T04-02 □ P		1/4	17	8.8	10	14.7	18.8	15.5	13.3
FKQ2T06-01 □ P	Φ6	1/8	12	10.7	10	15.4	16.8	16.9	13.3
FKQ2T06-02 □ P		1/4	17	10.7	10	15.4	20.2	18	13.3
FKQ2T06-03 □ P		3/8	21	10.7	10	15.4	21.7	19.4	13.3
FKQ2T08-01 □ P	Φ8	1/8	12	13.6	10	16.4	18.1	19.6	14.2
FKQ2T08-02 □ P		1/4	17	13.6	12	17.4	22.3	21.5	14.2
FKQ2T08-03 □ P		3/8	21	13.6	12	17.4	23.8	22.9	14.2
FKQ2T10-01 □ P	Φ10	1/8	12	16.3	12	18.6	22.6	25.5	15.6
FKQ2T10-02 □ P		1/4	17	16.3	17	19.3	26.1	26.6	15.6
FKQ2T10-03 □ P		3/8	21	16.3	17	19.3	20.3	21.6	15.6
FKQ2T10-04 □ P		1/2	27	16.3	17	19.3	24.9	23.4	15.6
FKQ2T12-02 □ P	Φ12	1/4	17	19	17	21.5	27.4	29.2	17
FKQ2T12-03 □ P		3/8	21	19	17	21.5	27.4	29.2	17
FKQ2T12-04 □ P		1/2	27	19	17	21.5	32	31	17
FKQ2T16-02 □ P	Φ16	1/4	17	23.8	17	27.1	29.6	33.9	20.6
FKQ2T16-03 □ P		3/8	21	23.8	21	27.1	32.7	37	20.6
FKQ2T16-04 □ P		1/2	27	23.8	21	27.1	34.7	36.2	20.6

□ Mark/A: Brass; N: Brass+electroless nickel plating; G: SUS303

Note) ΦD1 is the maximum diameter.

FKQ2Y Series Auxiliary T-shaped Joint (Sealed With Gasket)



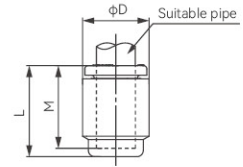
Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^{Note 1)}	ΦD2	L1	L2	A	M
FKQ2Y04-01 □ P	Φ4	1/8	12	8	10	15.4	15.4	25.6	13.3
FKQ2Y04-02 □ P		1/4	17	8.8	10	15.4	18.8	26.7	13.3
FKQ2Y06-01 □ P	Φ6	1/8	12	10.7	10	16.4	17.1	28.3	13.3
FKQ2Y06-02 □ P		1/4	17	10.7	10	16.4	20.5	29.4	13.3
FKQ2Y06-03 □ P		3/8	21	10.7	10	16.4	22	30.8	13.3
FKQ2Y08-01 □ P	Φ8	1/8	12	13.6	10	18.4	17.6	30.8	14.2
FKQ2Y08-02 □ P		1/4	17	13.6	12	18.4	22.5	33.4	14.2
FKQ2Y08-03 □ P		3/8	21	13.6	12	18.4	24	34.8	14.2
FKQ2Y10-01 □ P	Φ10	1/8	12	16.3	12	20.9	22.5	38.2	15.6
FKQ2Y10-02 □ P		1/4	17	16.3	17	20.9	26	39.4	15.6
FKQ2Y10-03 □ P		3/8	21	16.3	17	20.9	25.7	39	15.6
FKQ2Y10-04 □ P		1/2	27	16.3	17	20.9	30.3	40.8	15.6
FKQ2Y12-02 □ P	Φ12	1/4	17	19	17	23	27.5	43	17
FKQ2Y12-03 □ P		3/8	21	19	17	23	27.2	42.6	17
FKQ2Y12-04 □ P		1/2	27	19	17	23	31.8	44.5	17
FKQ2Y16-02 □ P	Φ16	1/4	17	23.8	17	28.6	29.6	50.6	20.6
FKQ2Y16-03 □ P		3/8	21	23.8	21	28.6	32.7	53.7	20.6
FKQ2Y16-04 □ P		1/2	27	23.8	21	28.6	34.7	52.9	20.6

□ Mark/A: Brass; N: Brass+electroless nickel plating; G: SUS303

Note) ΦD1 is the maximum diameter.

FKQ2 Series Joint

FKQ2C Series Pipe Cap



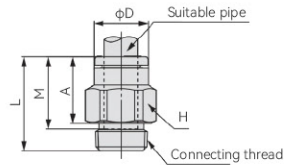
Model	Suitable Pipe Outer Diameter	ϕD	L	M
FKQ2C04-00A	$\phi 4$	8.8	14.6	13.3
FKQ2C06-00A	$\phi 6$	10.7	14.8	13.3
FKQ2C08-00A	$\phi 8$	13.6	15.6	14.2
FKQ2C10-00A	$\phi 10$	16.2	17.3	15.6
FKQ2C12-00A	$\phi 12$	19	18.8	17
FKQ2C16-00A	$\phi 16$	23.8	23	20.6

□ Mark/A: Brass; N: Brass+electroless nickel plating

※Reference dimensions of R-shaped thread.

Note) $\phi D1$ is the maximum diameter.

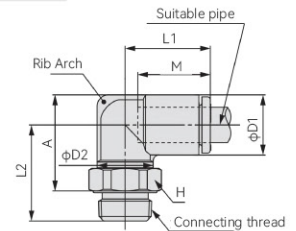
FK2QH Series Straight-Connection Join



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ϕD	L	M	ϕN
FKQ2H04-01 □ P	$\phi 4$	1/8	12	7.9	16.4	11.2	13.3
FKQ2H04-02 □ P		1/4	17	9.1	14.9	7.4	13.3
FKQ2H06-01 □ P	$\phi 6$	1/8	12	9.8	17.4	12.2	13.3
FKQ2H06-02 □ P		1/4	17	11.4	14.6	7.1	13.3
FKQ2H06-03 □ P		3/8	21	11.4	14.9	7.3	13.3
FKQ2H08-01 □ P	$\phi 8$	1/8	14	13.2	21.2	16	14.2
FKQ2H08-02 □ P		1/4	17	13.2	20	12.5	14.2
FKQ2H08-03 □ P		3/8	21	13.2	15.2	7.6	14.2
FKQ2H10-01 □ P	$\phi 10$	1/8	17	15.6	23.1	17.9	15.6
FKQ2H10-02 □ P		1/4	17	15.6	24.4	16.9	15.6
FKQ2H10-03 □ P		3/8	21	15.6	21	13.4	15.6
FKQ2H10-04 □ P		1/2	27	15.6	18.8	8.4	15.6
FKQ2H12-02 □ P	$\phi 12$	1/4	19	18.2	26.6	19.1	17
FKQ2H12-03 □ P		3/8	21	18.2	24.9	17.3	17
FKQ2H12-04 □ P		1/2	27	18.2	24.9	14.5	17
FKQ2H16-02 □ P	$\phi 16$	1/4	24	23.6	30.6	23	20.6
FKQ2H16-03 □ P		3/8	24	23.6	30.6	23	20.6
FKQ2H16-04 □ P		1/2	27	23.6	32.1	21.7	20.6

□ Mark/A: Brass; N: Brass+electroless nickel plating; G: SUS303

FKQ2L Series Elbow (Sealed With Gasket)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	$\phi D1$ (Note 1)	$\phi D2$	L1	L2	A	M
FKQ2L04-01 □ P	$\phi 4$	1/8	12	8.8	10	14.8	15.6	14.8	13.3
FKQ2L04-02 □ P		1/4	17	8.8	10	14.8	19	15.9	13.3
FKQ2L06-01 □ P	$\phi 6$	1/8	12	10.7	10	15.3	17.9	18	13.3
FKQ2L06-02 □ P		1/4	17	10.7	10	15.3	21.3	19.1	13.3
FKQ2L06-03 □ P		3/8	21	10.7	10	15.3	22.8	20.5	13.3
FKQ2L08-01 □ P	$\phi 8$	1/8	12	13.6	10	16.4	18.1	19.6	14.2
FKQ2L08-02 □ P		1/4	17	13.6	12	17.4	22.5	21.7	14.2
FKQ2L08-03 □ P		3/8	21	13.6	12	17.4	24	23.1	14.2
FKQ2L10-01 □ P	$\phi 10$	1/8	12	16.3	12	18.4	22.7	24.9	15.6
FKQ2L10-02 □ P		1/4	17	16.3	17	19.4	26.1	26.8	15.6
FKQ2L10-03 □ P		3/8	21	16.3	17	19.4	26	26.6	15.6
FKQ2L10-04 □ P		1/2	27	16.3	17	19.4	30.6	28.4	15.6
FKQ2L12-02 □ P	$\phi 12$	1/4	17	19	17	21.8	27.5	29.6	17
FKQ2L12-03 □ P		3/8	21	19	17	21.8	27.1	29	17
FKQ2L12-04 □ P		1/2	27	19	17	21.8	31.7	30.8	17
FKQ2L16-02 □ P	$\phi 16$	1/4	17	23.8	17	25.1	29.6	33.9	20.6
FKQ2L16-03 □ P		3/8	21	23.8	21	27.1	32.7	37	20.6
FKQ2L16-04 □ P		1/2	27	23.8	21	27.1	34.7	36.2	20.6

□ Mark/A: Brass; N: Brass+electroless nickel plating; G: SUS303

Note) ϕD is the maximum diameter.

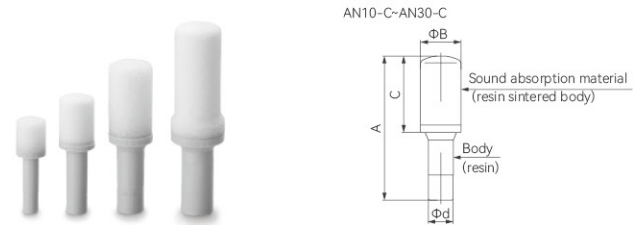
FKQ2 Series Joint

FAN05~40 Series-Small Resin Type/External Threaded Type



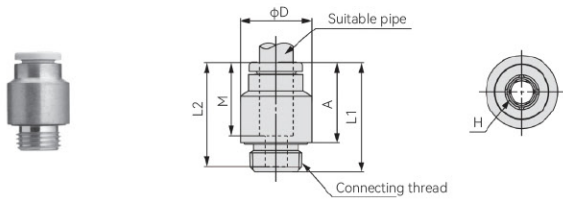
Model	Nozzle diameter R, NPT	A	B	D
FAN05-M5	M5×0.8	15	6.5	-
FAN10-01	1/8	23	11	-
FAN15-02	1/4	31.5	16	14
FAN20-02	1/4	44.5	16.5	14
FAN30-03	3/8	58	20.3	17
FAN40-04	1/2	68.5	24	24

FAN10~30-C Series-Small Resin Type/Quick-Change Joint Connection Type



Model	A	B	C	Φd
FAN10-C06	36.5	11	15	6
FAN10-C07				1/4
FAN15-C08	45	13	20	8
FAN20-C10	57.5	16	30.5	10
FAN20-C11				3/8
FAN30-C12	71.5	20.5	43.8	12

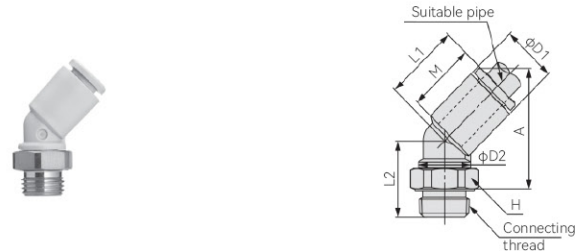
FKQ2S Series Straight-Connection Joint With Hexagon Hole (Sealed With Gasket)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD ^{Note 1)}	L1	L2	A	M
FKQ2S04-01 □ P	Φ4	1/8	3	13	19.1	18.1	13.9	13.3
FKQ2S06-01 □ P	Φ6	1/8	4	13	19.6	18.6	14.4	13.3
FKQ2S06-02 □ P		1/4	4	18	19.8	18.4	12.3	13.3
FKQ2S08-01 □ P	Φ8	1/8	5	13.2	21.2	19.7	16	14.2
FKQ2S08-02 □ P		1/4	6	18	20.4	19.4	12.9	14.2
FKQ2S08-03 □ P		3/8	6	22	20.4	19.4	12.9	14.2
FKQ2S10-01 □ P	Φ10	1/8	5	15.6	22.9	21.1	17.7	15.6
FKQ2S10-02 □ P		1/4	8	18	24.4	21	16.9	15.6
FKQ2S10-03 □ P		3/8	8	22	21.1	20.1	13.5	15.6
FKQ2S10-04 □ P		1/2	8	26	21.1	20.1	10.7	15.6
FKQ2S12-02 □ P	Φ12	1/4	8	18.2	27	22.5	19.5	17
FKQ2S12-03 □ P		3/8	8	22	25.4	23	17.8	17
FKQ2S12-04 □ P		1/2	10	26	25.4	23.6	15	17
FKQ2S16-02 □ P	Φ16	1/4	8	23.6	30.6	25.1	23	20.6
FKQ2S16-03 □ P		3/8	10	23.6	30.6	25.4	23	20.6
FKQ2S16-04 □ P		1/2	12	26	32.1	26.1	21.7	20.6

□ Mark/A: Brass; N: Brass+electroless nickel plating; G: SUS303
Note) ΦD is the maximum diameter.

FKQ2K Series 45° Elbow (Sealed With Gasket)

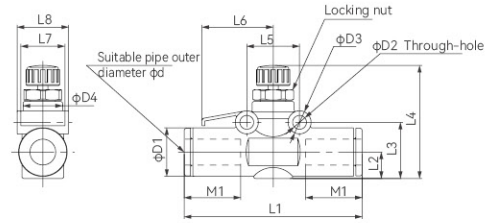


Model	Suitable Pipe Outer Diameter	Connecting Thread	H	ΦD1 ^{Note 1)}	ΦD2	L1	L2	A	M
FKQ2K04-01 □ P	Φ4	1/8	12	8.8	10	14.4	12	19.5	13.3
FKQ2K04-02 □ P		1/4	17	8.8	10	14.4	15.4	20.5	13.3
FKQ2K06-01 □ P	Φ6	1/8	12	10.7	10	14.7	14.1	22.5	13.3
FKQ2K06-02 □ P		1/4	17	10.7	10	14.7	17.5	23.5	13.3
FKQ2K06-03 □ P		3/8	21	10.7	10	14.7	19.5	25.5	13.3
FKQ2K08-01 □ P	Φ8	1/8	12	13.6	10	16	15	25.2	14.2
FKQ2K08-02 □ P		1/4	17	13.6	12	16	19.4	27.2	14.2
FKQ2K08-03 □ P		3/8	21	13.6	12	16	21.4	29.2	14.2
FKQ2K10-01 □ P	Φ10	1/8	12	16.2	12	18.2	20.1	32.7	15.6
FKQ2K10-02 □ P		1/4	17	16.2	17	17.6	26.1	35.9	15.6
FKQ2K10-03 □ P		3/8	21	16.2	17	17.6	20.5	30.3	15.6
FKQ2K10-04 □ P		1/2	27	16.2	17	17.6	25.3	32.3	15.6
FKQ2K12-02 □ P	Φ12	1/4	17	19	17	19.4	26	37.9	17
FKQ2K12-03 □ P		3/8	21	19	17	19.4	20.4	32.3	17
FKQ2K12-04 □ P		1/2	27	19	17	19.4	25.2	34.3	17
FKQ2K16-02 □ P	Φ16	1/4	17	23.8	17	24.3	26.6	43.3	20.6
FKQ2K16-03 □ P		3/8	21	23.8	21	23.8	28.7	45	20.6
FKQ2K16-04 □ P		1/2	27	23.8	21	23.8	30.7	44.2	20.6

□ Mark/A: Brass; N: Brass+electroless nickel plating; G: SUS303
Note) ΦD1 is the maximum diameter.

FAS Series-Speed Control Valve With Quick-Change Joint

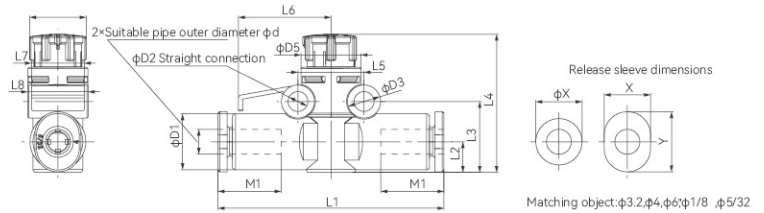
FAS Series Straight-Connection Type



Model	d	ΦD1	ΦD2	ΦD3	ΦD4	L1	L2	L3	L4 ^(Note)		L5	L6	L7	L8	M1
									MAX.	MIN.					
FAS1002F04	4	8.8	3.3	5.5	9.2	36.5	4.9	11	25.5	21.5	11	15.2	8.8	10	13.5
FAS1002F06	6	10.7				37.5	5.5	11.8	26.5	22.5				12	
FAS2002F04	4	8.8	3.3	5.5	10.2	39.5	4.9	11.3	30	26	12.6	17	10.5	11.5	
FAS2002F06	6	10.7				41.5	5.5	12.6	30.5	26.5				11.5	
FAS2052F06	6	10.7	4.3	7.8	14.2	45	6.4	14.9	35.2	30	17	19.5	12	15.5	14.5
FAS2052F08	8	13.9				49	7.2	15.9	35.2	30				15.5	
FAS3002F06	6	10.7	4.3	8	19.4	51.8	6.4	17	37.5	32	22	23	12	20.4	13.5
FAS3002F08	8	13.9				55	7.2	17.5	37.5	32				20.4	14.5

Note) Reference dimensions.

FAS Series Straight-Connection Type

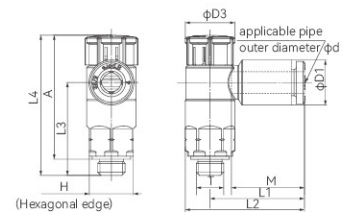


Model	d	ΦD1	Release sleeve dimensions		ΦD2	ΦD3	ΦD4	ΦD5	L1	L2	L3	L4 ^(Note)		L5	L6	L7	L8	M1
			ΦX(X)	Y								MAX.	MIN.					
FAS1002F □ -04A	4	9.8	7.7	-	3.3	5.5	9.6	10.2	37.2	5.1	11.8	24.1	23	11	15.8	8.8	10.1	13.5
FAS1002F □ -06A	6	11.8	9.7	-					40	6.1	12.8	24.9	23.9				12.4	
FAS2002F □ -04A	4	9.8	7.7	-	3.3	5.5	12.3	12.3	41.2	6.3	13.4	31.3	29.9	12.6	17.4	10.5	12.4	13.5
FAS2002F □ -06A	6	11.8	9.7	-					43.1									
FAS2052F □ -06A	6	13.2	11.5	-	4.3	8	13.4	16	51.9	7.6	17.2	36.2	34.6	17	23.2	12	16.1	13.5
FAS2052F □ -08A	8	15.5	13.5	-					55.8	8.5	18.2	37	35.4				14.6	
FAS3002F □ -06A	6	13.2	11.5	-	4.3	8	16.5	20.4	57.4	9.8	22	42.6	41.3	22	25	12	20.5	13.5
FAS3002F □ -08A	8	15.5	13.5	-					63.8								14.6	
FAS3002F □ -10A	10	18.7	16.5	-					69								16.4	
FAS3002F □ -12A	12	21.2	18.5	-					73.9	10.9	22.8	43.6	42.1				22.1	18.4
FAS4002F □ -10A	10	18.7	16.5	-	4.3	8	18.8	26.2	75	11.3	23.7	51.6	50	28	33	14	26.2	16.4
FAS4002F □ -12A	12	21.7	18.5	-					78.8								18.4	

Note) Reference dimensions.

FAS Series-Speed Control Valve With Quick-Change Joint

FAS Series Elbow Type (Sealed With Gasket)

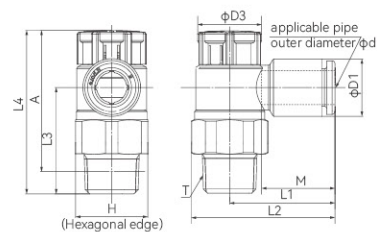


Model	d	T	H	D1	D3	L1	L2	L3	L4		A		M
									Unlocking	Locking	Unlocking	Locking	
FAS12 □ 1FM5-02A	2	M5×0.8 10/32 UNF	9(8)	5.8	9.6	15.8	20.3	17.6	27.2	26.2	24.2	23.2	11.9
FAS12 □ 1FM5-23A	3.2			7.4		22	13.3						
FAS12 □ 1FM5-04A	4			8.8									
FAS12 □ 1FM5-06A	6			10.4		18.6		23.5					16.9

Note 1)Reference dimensions.

Note 2)Reference dimensions after threaded installation

FAS Series Elbow Type(Sealant)



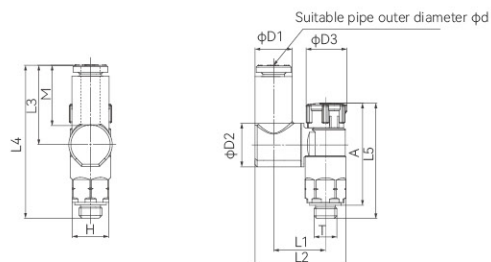
Model	d	T	H	D1	D3	L1	L2	L3	L4		A		M			
									Unlocking	Locking	Unlocking	Locking				
FAS22 □ 1F01-04(S)A	4	1/8	13	8.8	12.3	19.1	26.2	19.2	30.6	29.2	27.5	26.1	13.3			
FAS22 □ 1F01-06(S)A	6			10.7									14.2			
FAS22 □ 1F01-08(S)A	8			13.6									15.6			
FAS22 □ 1F01-10(S)A	10			16.2									22.4	29.5		
FAS22 □ 1F02-23(S)A	3.4	1/4	17	7.2	13.5	20.9	30.2	23	37	35.4	31.5	29.9	13.3			
FAS22 □ 1F02-04(S)A	4			8.8									14.2			
FAS22 □ 1F02-06(S)A	6			10.7									15.6			
FAS22 □ 1F02-08(S)A	8			13.6									23.9	33.2		
FAS22 □ 1F02-10(S)A	10			16.2									26.9	36.2		
FAS32 □ 1F02-06(S)A	6	1/4	19	10.7	16.6	21.8	32.1	36.9	50.5	48.6	44.5	43.1	13.3			
FAS32 □ 1F02-08(S)A	8			13.6									14.2			
FAS32 □ 1F02-10(S)A	10			16.2									15.6			
FAS32 □ 1F02-12(S)A	12			19									29.7	40	35	17
FAS32 □ 1F03-06(S)A	6			10.7									16.6	21.8	32.1	28.8
FAS32 □ 1F03-08(S)A	8	13.6	14.2													
FAS32 □ 1F03-10(S)A	10	16.2	26.7	37	28	15.6										
FAS32 □ 1F03-12(S)A	12	19	29.7	40	26.8	17										
FAS42 □ 1F04-10(S)A	10	1/2	24	16.2	18.8	27.4	40.3	36.2	50.8	49.6	43.7	42.5				
FAS42 □ 1F04-12(S)A	12			19									30.8	43.7	35.1	17
FAS42 □ 1F04-16(S)A	16			23.8									34.8	47.7	32.7	20.6

Note 1)Reference dimensions.

Note 2)Reference dimensions after threaded installation

FAS Series-Speed Control Valve With Quick-Change Joint

FAS Series Universal Type(Sealed With Gasket)

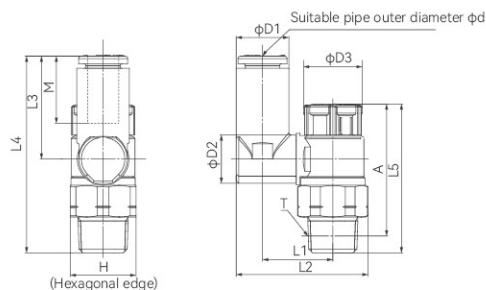


Model	d	T	H	D1	D2	D3	L1	L2	L3	L4	L4		A		M
											Unlocking	Locking	Unlocking	Locking	
FAS13 □ 1FM5-04A	4	M5×0.8 10/32 UNF	9(8)	8.8	9.6	9.6	11.5	20.4	17.8	34.3	27.2	26.2	24.2	23.2	13.3
FAS13 □ 1FM5-06A	6			10.7				21.4	20.4	36.6					

Note 1)Reference dimensions.

Note 2)Reference dimensions after threaded installation

FAS Series Universal Type(Sealant)



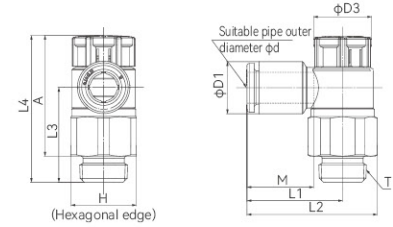
Model	d	T	H	D1	D2	D3	L1	L2	L3	L4	L4		A		M
											Unlocking	Locking	Unlocking	Locking	
FAS23 □ 1F01-04(S)A	4	1/8	13	8.8	9.6	12	13.9	25.1	17.5	36	30.6	29.2	27.5	26.1	10(10)
FAS23 □ 1F01-06(S)A	6			10.7				26.2	20.4	38.8					14.2
FAS23 □ 1F01-08(S)A	8			13.6				30.1	20.5	40.3					
FAS23 □ 1F02-04(S)A	4	1/4	17	8.8	12.9	13	16.5	29.9	17.5	40.5	37	35.4	31.5	29.9	13.3
FAS23 □ 1F02-06(S)A	6			10.7			19	33.8	21.4	44.6					14.2
FAS23 □ 1F02-08(S)A	8			13.6				34.9	22.5	46.5					15.6
FAS23 □ 1F02-10(S)A	10			16.2			20.9	38.1	24.7	47.8					
FAS33 □ 1F02-06(S)A	6	1/4	19	10.7	12.9	16.6	20.2	36	21.4	57.8	50	48.6	44.5	43.1	13.3
FAS33 □ 1F02-08(S)A	8			13.6				37.1	22.5	59.9					14.2
FAS33 □ 1F02-10(S)A	10			16.2			23	41.2	26.1	62.5					15.6
FAS33 □ 1F02-12(S)A	12			19				42.5	28.6	64.7					17
FAS33 □ 1F03-06(S)A	6	3/8	19	10.7	12.9	16.6	20.2	36	21.4	50.3	42.3	40.7	37.1	35.5	13.3
FAS33 □ 1F03-08(S)A	8			13.6				37.1	22.5	52.2					14.2
FAS33 □ 1F03-10(S)A	10			16.2			23	41.2	26.1	55.2					15.6
FAS33 □ 1F03-12(S)A	12			19				42.5	28.6	57.5					17
FAS43 □ 1F04-10(S)A	10	1/2	24	16.2	17.4	18.8	25.6	46.4	26.1	61.2	50.8	49.6	43.7	42.5	15.6
FAS43 □ 1F04-12(S)A	12			19	21		26.2	48.3	28.6	63.4					17

Note 1)Reference dimensions.

Note 2)Reference dimensions after threaded installation

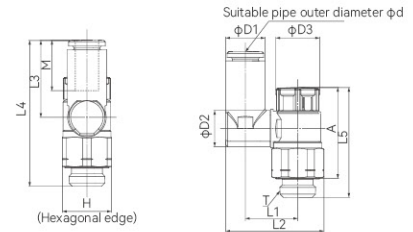
FAS Series-Speed Control Valve With Quick-Pipe Joint

FAS Series-Speed Control Valve With Quick-Change Joint-Elbow Type (Sealed With Gasket)



Model	d	T	H	D1	D3	L1	L2	L3	L4		A		M
									Unlocking	Locking	Unlocking	Locking	
FAS22 □ 1F01-04PA	4	1/8	13	8.8	12	19.1	26.2	18.8	30.3	28.9	24.8	23.4	13.3
FAS22 □ 1F01-06PA	6			10.7		22.4	29.5						14.2
FAS22 □ 1F01-08PA	8			13.6		25.3	32.4						15.6
FAS22 □ 1F01-10PA	10	1/4	17	16.2	13.5	20.9	30.2	23	37	35.4	30.1	28.5	13.3
FAS22 □ 1F02-23PA	3.2			7.4									14.2
FAS22 □ 1F02-04PA	4			8.8									15.6
FAS22 □ 1F02-06PA	6			10.7		23.4	32.7						13.3
FAS22 □ 1F02-08PA	8			13.6		23.9	33.2						14.2
FAS22 □ 1F02-10PA	10			16.2		26.9	36.2						15.6
FAS32 □ 1F03-06PA	6	3/8	21	10.7	16.6	21.8	33	28.8	42.3	40.7	34.8	33.2	13.3
FAS32 □ 1F03-08PA	8			13.6		22.7	33.9						14.2
FAS32 □ 1F03-10PA	10			16.2		26.7	37.9						15.6
FAS32 □ 1F03-12PA	12			19		29.7	40.9						17
FAS42 □ 1F04-08PA	8	1/2	27	16.2	18.8	27.4	41.8	36.2	59.2	57.6	54.4	52.8	14.2
FAS42 □ 1F04-10PA	10			16.2		27.4	41.8						15.6
FAS42 □ 1F04-12PA	12			19		30.8	35.1						17

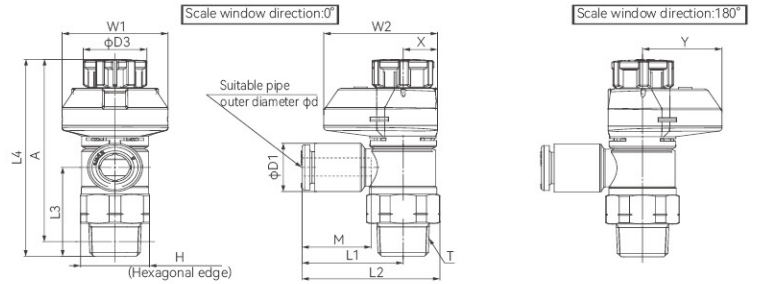
FAS Series-Speed Control Valve With Quick-Change Joint- Universal Type (Sealed With Gasket)



Model	d	T	H	D1	D2	D3	L1	L2	L3	L4	L5		A		M
											Unlocking	Locking	Unlocking	Locking	
FAS23 □ 1F01-04PA	4	1/8	13	8.8	9.6	12	13.9	25.1	17.5	35.7	30.6	29.2	25.1	23.7	13.3
FAS23 □ 1F01-06PA	6			10.7			26.2	20.4	38.5	14.2					
FAS23 □ 1F01-08PA	8			13.6			16.4	30.1	21.5	39.7					14.2
FAS23 □ 1F02-04PA	4	1/4	17	8.8	12.9	13.5	16.5	29.9	17.5	40.1	37	35.4	30.1	28.5	13.3
FAS23 □ 1F02-06PA	6			10.7			19	33.8	21.4	43.9					14.2
FAS23 □ 1F02-08PA	8			13.6			34.9	23.5	46	15.6					
FAS23 □ 1F02-10PA	10			16.2			20.9	38.1	24.7	47.3					13.3
FAS33 □ 1F03-06PA	6	3/8	21	10.7	12.9	16.6	20.2	36.6	21.4	50.1	42.3	40.7	34.8	33.2	13.3
FAS33 □ 1F03-08PA	8			13.6			38	23.5	52.2	14.2					
FAS33 □ 1F03-10PA	10			16.2			23	42.2	26.1	50.3					15.6
FAS33 □ 1F03-12PA	12			19			43.5	28.3	52.2	17					
FAS43 □ 1F04-10PA	10	1/2	27	16.2	17.4	18.8	25.6	47.9	26.1	61.2	59.2	57.6	54.4	52.8	15.6
FAS43 □ 1F04-12PA	12			19	21		26.2	49.8	28.3	63.4					17

FAS-FS Series- Speed Control Valve With Scale

FAS-FS Series- Speed Control Valve With Scale-Elbow Type-Gasket



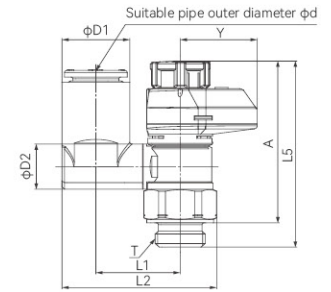
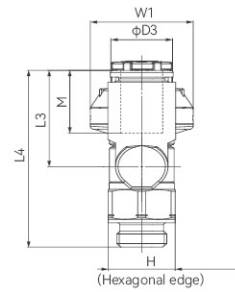
Model	d	T	H	D1	D3	L1	L2	L3	L4 (Note 1)		A (Note 2)		M	W1	W2	X	Y
									Unlocking	Locking	Unlocking	Locking					
FAS12 □ 1FS □ -M5-04	4	M5×0.8 10/32UNF	8	8.2	9.4	17.2	21.7	16.9	39	36.5	35	33.5	13.3	13.6	15.1	5.5	9.6
FAS12 □ 1FS □ -M5-06	6			10.4		18.6	23.1	16.5									
FAS22 □ 1FS □ -01-02(S)	3.2	1/8	12(13.7)	7.2	12	19.1	26.2	19.1	43.9	42.4	40.8	39.3	13.3	20	21.5	6.5	15
FAS22 □ 1FS □ -01-04(S)	4			8.2													
FAS22 □ 1FS □ -01-06(S)	6			10.4													
FAS22 □ 1FS □ -01-08(S)	8			13.2													
FAS22 □ 1FS □ -01-10(S)	10			15.9													
FAS22 □ 1FS □ -02-02(S)	3.2	1/4	17(17.5)	7.2	13	20.9	30.2(30.3)	22.6	49.7	48.3	44.2	42.8	13.3	21.5	24	7.8	16.2
FAS22 □ 1FS □ -02-04(S)	4			8.2													
FAS22 □ 1FS □ -02-06(S)	6			10.4													
FAS22 □ 1FS □ -02-08(S)	8			13.2													
FAS22 □ 1FS □ -02-10(S)	10			15.9													
FAS32 □ 1FS □ -02-06(S)	6	1/4	19	10.4	16.6	21.8	32.1	36.4	63.1	61.7	57.9	56.5	13.3	24.5	28.5	9.3	19.2
FAS32 □ 1FS □ -02-08(S)	8			13.2		22.7	33										
FAS32 □ 1FS □ -02-10(S)	10			15.9		26.7	37	35.7									
FAS32 □ 1FS □ -02-12(S)	12			18.5		29.7	40	34.5									
FAS32 □ 1FS □ -03-06(S)	6	3/8	19	10.4	16.6	21.8	32.1	28.7	55.4	54	50.2	48.8	13.3	24.5	28.5	9.3	19.2
FAS32 □ 1FS □ -03-08(S)	8			13.2		22.7	33										
FAS32 □ 1FS □ -03-10(S)	10			15.9		26.7	37	28									
FAS32 □ 1FS □ -03-12(S)	12			18.5		29.7	40	26.8									
FAS42 □ 1FS □ -04-10(S)	10	1/2	24(23.8)	15.9	18.8	27.4	40.3(40.2)	36.2	64.1	62.5	57	55.4	15.6	26	29	10	19
FAS42 □ 1FS □ -04-12(S)	12			18.5		30.8	43.7(43.6)	35.1					17				
FAS42 □ 1FS □ -04-16(S)	16			23.8		34.8	47.7(47.6)	32.7					20.6				

Note 1)Reference dimensions.

Note 2)Reference dimensions after threaded installation

FAS-FS Series- Speed Control Valve With Scale

FAS-FS Series- Speed Control Valve With Scale-General Type-Gasket



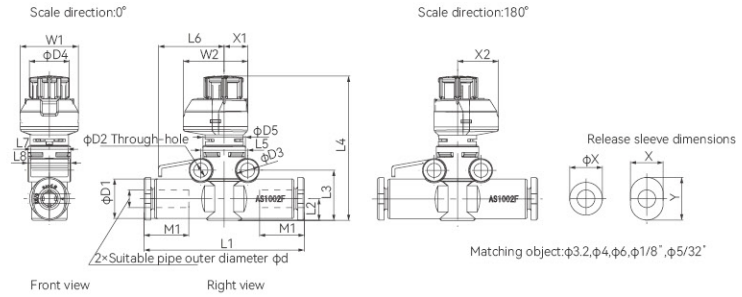
Model	d	T	H	D1	D2	D3	L1	L2	L3	L4	L5		A		M	W1	Y
											Unlocking	Locking	Unlocking	Locking			
FAS13 □ 1FS □ -M5-04	4	M5×0.8 10/32UNF	8	8.2	9.6	9.4	11.5	19.8	17.5	33.8	39	36.5	35	33.3	13.3	13.6	9.6
FAS13 □ 1FS □ -M5-06	6			10.4				20.9	20.4	36.6							
FAS23 □ 1FS1-01-23(S)	3.2	1/8	13	7.2	9.6	12	13.3	24	17.5	36	43.9	42.4	40.8	39.3	13.3	20	15
FAS23 □ 1FS1-01-04(S)	4			8.2			13.9	25.1		38.8							
FAS23 □ 1FS1-01-06(S)	6			10.4			16.4	30.1		40							
FAS23 □ 1FS1-01-08(S)	8			13.2			16.4	30.1		40					14.2		
FAS23 □ 1FS1-02-04(S)	4	1/4	17	8.2	12.9	13	16.5	29.9	17.5	40.1	49.7	48.3	44.2	42.8	13.3	21.5	16.2
FAS23 □ 1FS1-02-06(S)	6			11.2			19	33.8	21.4	43.9					14.2		
FAS23 □ 1FS1-02-08(S)	8			13.2			20.9	34.9	23.5	46					15.6		
FAS23 □ 1FS1-02-10(S)	10			15.9			20.9	38.1	24.7	47.3					17		
FAS33 □ 1FS1-02-06(S)	6	1/4	19	11.2	12.9	16.6	20.2	36	21.4	57.8	63.1	61.7	57.9	56.5	13.3	24.5	19.2
FAS33 □ 1FS1-02-08(S)	8			13.2			23	37.1	23.5	59.9					14.2		
FAS33 □ 1FS1-02-10(S)	10			15.9			23	41.2	26.1	62.5					15.6		
FAS33 □ 1FS1-02-12(S)	12			18.5			23	42.5	28.3	64.7					17		
FAS33 □ 1FS1-03-06(S)	6	3/8	19	10.4	12.9	16.6	20.2	36	21.4	50.1	55.4	54	50.2	48.8	13.3	24.5	19.2
FAS33 □ 1FS1-03-08(S)	8			13.2			23	37.1	23.5	52.2					14.2		
FAS33 □ 1FS1-03-10(S)	10			15.9			23	41.2	26.1	54.8					15.6		
FAS33 □ 1FS1-03-12(S)	12			18.5			23	42.5	28.3	57					17		
FAS33 □ 1FS1-04-10(S)	10	1/2	24	15.9	17.4	18.8	25.6	46.4	26.1	61.2	64.1	62.5	57	55.4	15.6	26	19
FAS33 □ 1FS1-04-12(S)	12			18.5	21		26.2	48.3	28.3	63.4					17		

Note 1)Reference dimensions.

Note 2)Reference dimensions after threaded installation

FAS-FS Series- Speed Control Valve With Scale

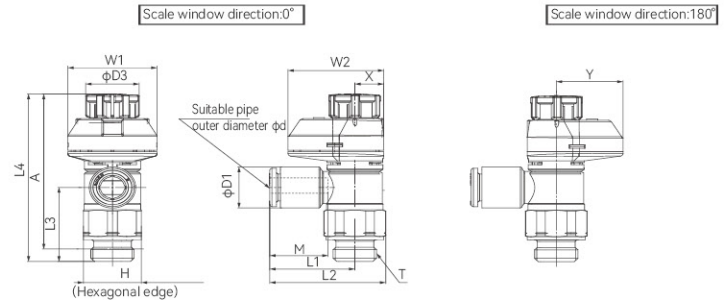
FAS-FS Series- Speed Control Valve With Scale-Elbow Type



Model	d	ΦD1	Release sleeve dimensions		ΦD2	ΦD3	ΦD4	ΦD5	L1	L2	L3	L4 ^{Note 1)}		L5	L6	L7	L8	M1	W1	W2	X1	X2
			ΦX(X)	Y								MAX.	MIN.									
FAS1002FS □ -04	4	9.3	7.7	10	3.3	5.5	9.4	10	37.6	5.1	11.8	36.4	33.9	11	15.4	8.8	10.1	13.5	13.6	15.1	5.5	9.6
FAS1002FS □ -06	6	11.6	9.7	12					40.1	6.1	12.8	37.4	34.9				12.3					
FAS2002FS □ -04	4	9.3	7.7	10	3.3	5.5	12	12	41.3	6.3	13.4	44.5	43	12.6	17	10.5	12.3	13.5	20	21.5	6.5	15
FAS2002FS □ -06	6	11.6	9.7	12					43.1													
FAS2052FS □ -06	6	12.8	11.5	-	4.3	7.8	13	16	54.2	7.6	17.2	49	47.6	17	22.5	12	16.1	17	21.5	24	7.8	16.2
FAS2052FS □ -08	8	15.2	13.5	-					57.2	8.5	18.1	49.9	48.5									
FAS3002FS □ -06	6	13.2	11.5	-	4.5	8	16.6	20	60	9.8	21.7	55.7	54.3	21.8	25	12	20.5	17	24.5	28.5	9.3	19.2
FAS3002FS □ -08	8	15.2	13.5	-					65													
FAS3002FS □ -10	10	18.5	16.5	-					70.4													
FAS3002FS □ -12	12	20.9	18.5	-					76	10.9	22.8	56.8	55.4				22.1					
FAS4002FS □ -10	10	18.5	16.5	-	4.3	8	18.8	26	76.9	11.3	23.7	64.3	62.7	28	33	14	26.2	21	26	29	10	19
FAS4002FS □ -12	12	21.7	18.5	-					81.3									22				

Note) Reference dimensions.

FAS-FS Series- Speed Control Valve With Scale-Elbow Type-Sealant



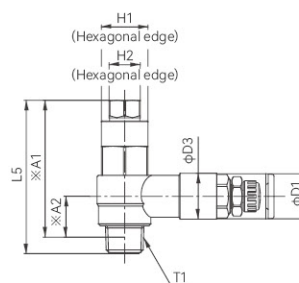
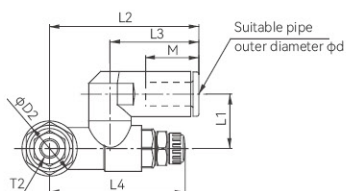
Model	d	T	H	D1	D3	L1	L2	L3	L4 ^{Note 1)}		A ^{Note 2)}		M	W1	W2	X	Y
									Unlocking	Locking	Unlocking	Locking					
FAS22 □ 1FS □ -G01-04	4	1/8	13	8.2	12	19.1	26.2	18.8	43.8	42.4	38.3	36.9	13.3	20	21.5	6.5	15
FAS22 □ 1FS □ -G01-06	6			10.4									14.2				
FAS22 □ 1FS □ -G01-08	8			13.2									15.6				
FAS22 □ 1FS □ -G01-10	10			15.9									15.6				
FAS22 □ 1FS □ -G02-23	3.2	1/4	17	7.2	13	20.9	30.2	22.6	49.7	48.3	43.2	41.8	13.3	21.5	24	7.8	16.2
FAS22 □ 1FS □ -G02-04	4			8.2									14.2				
FAS22 □ 1FS □ -G02-06	6			10.4									15.6				
FAS22 □ 1FS □ -G02-08	8			13.2									15.6				
FAS22 □ 1FS □ -G02-10	10	1/4	21	15.9	16.6	20.9	30.2	22.6	49.7	48.3	43.2	41.8	13.3	21.5	24	7.8	16.2
FAS32 □ 1FS □ -G02-06	6			10.4									14.2				
FAS32 □ 1FS □ -G02-08	8			13.2									15.6				
FAS32 □ 1FS □ -G02-10	10			15.9									17				
FAS32 □ 1FS □ -G02-12	12	3/8	21	18.5	16.6	20.9	30.2	22.6	49.7	48.3	43.2	41.8	13.3	21.5	24	7.8	16.2
FAS32 □ 1FS □ -G03-06	6			10.4									14.2				
FAS32 □ 1FS □ -G03-08	8			13.2									15.6				
FAS32 □ 1FS □ -G03-10	10			15.9									17				
FAS32 □ 1FS □ -G03-12	12	1/2	27	18.5	18.8	20.9	30.2	22.6	49.7	48.3	43.2	41.8	13.3	21.5	24	7.8	16.2
FAS42 □ 1FS □ -G04-10	10			15.9									14.2				
FAS42 □ 1FS □ -G04-12	12			18.5									15.6				
FAS42 □ 1FS □ -G04-16	16			23.8									20.6				

Note 1) Reference dimensions.

Note 2) Reference dimensions after threaded installation

FASP Series-With Pilot Check Valve/Speed Control Valve

FASP Series-With Pilot Check Valve/Speed Control Valve

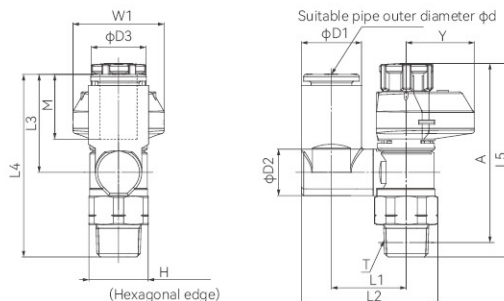


Model	d	T1	T2	H1	H2	D1	D2	D3	L1	L2	L3	L4 ^{Note 1)}		L5	A1 ^{Note 2)}	A2 ^{Note 2)}	M
												MAX.	MIN.				
FASP330F01-06S	6	R1/8	M5×0.8	12	8	11.8	14.2	12.2	14.2	39.4	22.9	40.2	36	39.5	35.2	10.5	13.7
FASP330F01-08S	8					15.4			15.8	44	27.3	39	36.1				18.7
FASP340F02-06S	6	R1/4	1/8	17	12	12.8	18.5	15	18	43.4	25.2	41.7	36.7	48.2	42.4	10.9	16.8
FASP340F02-08S	8					15.2			19.7	46.4	28.2						18.7
FASP530F03-08S	8	R3/8	1/8	19	12	15.2	23	19.8	20.3	51.3	28.2	46.9	41.9	55.1	50	14.4	18.7
FASP530F03-10S	10					18.5			23.1	54.1	32.6						20.8
FASP630F04-10S	10	R1/2	1/4	24	17	18.5	28.6	26.5	26.5	64.2	32.6	64.8	57.3	69.8	61.8	18.3	20.8
FASP630F04-12S	12					20.9											21.8

Note 1) Reference dimensions

Note 2) Reference dimensions of R-shaped threaded installation

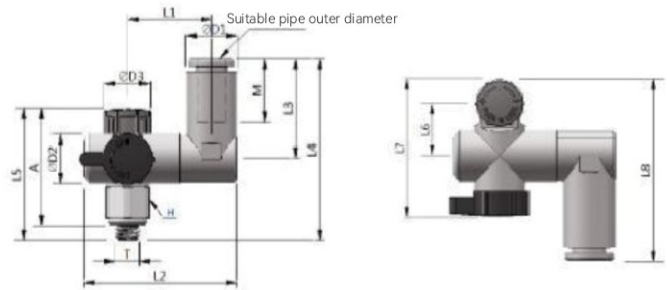
FAS-FS Series General Type-Sealant



Model	d	T	H	D1	D2	D3	L1	L2	L3	L4	L5		A		M	W1	Y
											Unlocking	Locking	Unlocking	Locking			
FAS23 □ 1FS1-G01-04	4	1/8	13	8.2	9.6	12	13.9	25.1	17.5	35.7	43.8	42.4	38.3	36.9	13.3	20	15
FAS23 □ 1FS1-G01-06	6			10.4				26.2	20.4	38.5					14.2		
FAS23 □ 1FS1-G01-08	8			13.2				30.1	21.5	39.7					15.6		
FAS23 □ 1FS1-G02-04	4	1/4	17	8.2	12.9	13	19	29.9	17.5	40.1	49.7	48.3	43.2	41.8	13.3	21.5	16.2
FAS23 □ 1FS1-G02-06	6			10.4				33.8	21.4	43.9					14.2		
FAS23 □ 1FS1-G02-08	8			13.2				34.9	23.5	46					15.6		
FAS23 □ 1FS1-G02-10	10			15.9			20.9	38.1	24.7	47.3							
FAS33 □ 1FS1-G02-06	6	1/4	21	10.4	12.9	16.6	20.2	36.1	21.4	57.8	63.1	91.7	54.6	53.2	13.3	24.5	19.2
FAS33 □ 1FS1-G02-08	8			13.2				38	23.5	59.9					14.2		
FAS33 □ 1FS1-G02-10	10			15.9				42.2	26.1	58					15.6		
FAS33 □ 1FS1-G02-12	12			18.5	17.4		23	43.5	28.3	59.9					17		
FAS33 □ 1FS1-G03-06	6	3/8	21	10.4	12.9	16.6	20.2	36.6	21.4	50.1	55.4	54	47.9	46.5	13.3	24.5	19.2
FAS33 □ 1FS1-G03-08	8			13.2				38	23.5	52.2					14.2		
FAS33 □ 1FS1-G03-10	10			15.9				42.2	28.1	50.3					15.6		
FAS33 □ 1FS1-G03-12	12			18.5	17.4		23	43.5	28.3	52.2					17		
FAS43 □ 1FS1-G04-10	10	1/2	27	15.9	17.4	18.8	25.6	47.9	26.1	61.2	64.1	62.5	55.1	53.5	15.6	26	19
FAS43 □ 1FS1-G04-12	12			18.5	21		26.2	49.8	28.3	63.4					17		

FASE Series Speed Control Valve For Residual Exhaust/FJASV Series-Hanging Card With Quick-Change Joint Throttle Valve

FASE Series-Speed Control Valve For Residual Exhaust- Universal Type-Gasket



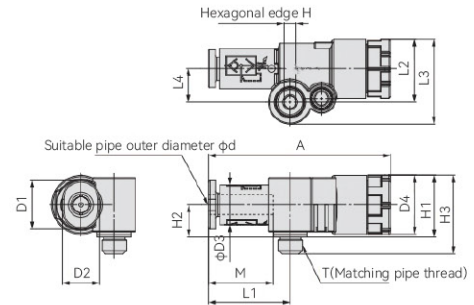
Metric Size

Model	d	T	H	D1	D2	D3	L1	L2	L3	L4	L5 Note 1)		A Note 2)		L6	L7	L8	M1
											Unlocking	Locking	Unlocking	Locking				
FASE13 □ 1FM3-04A	4	M3×0.5	9	8.8	10.2	9.6	17.3	33	17.7	34.5	26.7	25.7	24.2	23.2	10.2	28.2	32.7	13.5
FASE13 □ 1FM3-06A	6			10.6				34.1	20.8	37.6							35.8	15.5
FASE13 □ 1FM5-04A	4	M5×0.8	9	8.8	10.2	9.6	17.3	33	17.7	34.5	27.2	26.2	24.2	23.2	10.2	28.2	32.7	13.5
FASE13 □ 1FM5-06A	6			10.6				34.1	20.8	37.6							35.8	15.5

Note 1)Reference dimensions.

Note 2)Reference dimensions after threaded installation

FJASV Series Gasket Seal



Metric Size

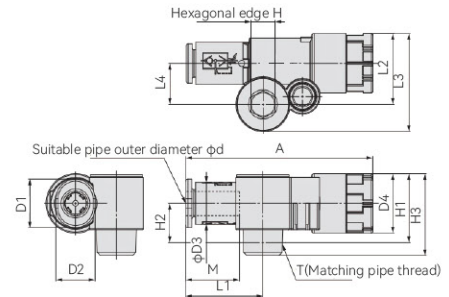
Model	d	T	H	Cap size Note 1)		D3	D4	A Note 2)		L1	L2	L3	L4	H1	H2	H3	M
				D1	D2			Unlocking	Locking								
FJASV-LE23-M3	3.2	M3×0.5	2.5	9.5	6.7	7.2	12.5	41.1	39.8	18.4	12.9	17.4	6.9	12.7	6.6	15.2	13.3
FJASV-LE04-M3	4			10	7.7	10.6										16.5	
FJASV-LE23-M5	3.2	M5×0.8	2.5	9.5	6.7	7.2	12.5	41.1	39.8	18.4	12.9	17.4	6.9	12.7	6.6	15.2	13.3
FJASV-LE04-M5	4			10	7.7	10.6										16.5	
FJASV-LE06-M5	6			12	9.7	10.6											

Note 1)Selected cap size; the conventional cap is round-shaped

Note 2)Reference dimensions

*: Reference dimensions of R-shaped thread

FJASV Series Sealant



Metric Size

Model	d	T	H	Cap size Note 1)		D3	D4	A Note 2)		L1	L2	L3	L4	H1	H2	H3	M
				D1	D2			Unlocking	Locking								
FJASE-LE04-01(S)	4	1/8	5	10	7.7	10.6	14.7	48	46.6	18.9	16.8	24	10.2	17.1	9.7	20.5	13.3
FJASE-LE06-01(S)	6			12	9.7	10.6											

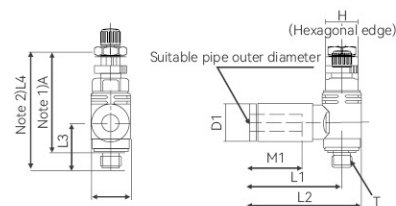
Note 1)Selected cap size; the conventional cap is round-shaped

Note 2)Reference dimensions

*: Reference dimensions of R-shaped thread

FASV Series-Quick Exhaust Valve With Throttle Muffler

FASV120F · 220F Quick Exhaust Valve With Throttle Muffler



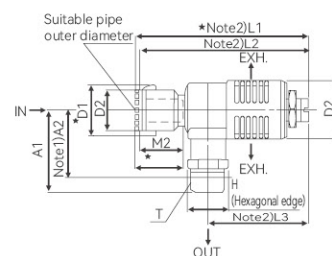
Metric Size

Model	d	T	H	D1	D2	L1	L2	L3	L4		×A		M1
									MAX.	MIN.	MAX.	MIN.	
FASV120FM3-04	4	M3×0.5	5.5	9.3	7.2	21.4	25	9.8	28.6	26.1	25.8	23.3	12.7
FASV220FM5-04	4	M5×0.8	8	9.3	9.6	22.8	27.6	11.1	31.4	28.6	27.7	24.9	12.7
FASV220FM5-06	6	M5×0.8	8	11.6	9.6	23.6	28.4	11.1	31.4	28.6	27.7	24.9	13.5

Note 1)Reference dimensions of M-shaped threaded installation

Note 2)L4 is the reference dimension

FASV310F, 410F, 510F



Metric Size

Model	d	T	H	D1	D2	D3	L1		L2		L3		A1	A2	M1	M2 ★
							MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	Note 2)	Note 1)		
FASV310F01-06S	6	R1/8	10	16.8	12.8	17.6	71.9	65.9	69.9	63.9	45.8	39.8	26.5	23.4	17	19
FASV310F01-08S	8			19.3	15.2		73.8	67.8	71.8	65.8					19	21
FASV310F02-06S	6	R1/4	14	16.8	12.8	17.6	71.9	65.9	69.9	63.9	45.8	39.8	30.9	25.4	17	19
FASV310F02-08S	8			19.3	15.2		73.8	67.8	71.8	65.8					19	21
FASV410F01-08S	8	R1/8	12	19.3	15.2	24	83.1	75.6	81.1	73.6	52.8	45.3	29.8	26.7	19	21
FASV410F01-10S	10			23.3	18.5		85.2	77.7	83.2	75.7					21	23
FASV410F02-08S	8	R1/4	14	19.3	15.2	24	83.1	75.6	81.1	73.6	52.8	45.3	34.2	28.7	19	21
FASV410F02-10S	10			23.3	18.5		85.2	77.7	83.2	75.7					21	23
FASV410F03-08S	8	R3/8	17	19.3	15.2	24	83.1	75.6	81.1	73.6	52.8	45.3	35.2	30.4	19	21
FASV410F03-10S	10			23.3	18.5		85.2	77.7	83.2	75.7					21	23
FASV510F02-10S	10	R1/4	17	23.3	18.5	30	88.2	82.2	86.2	80.2	53.6	47.6	39.9	33.8	21	23
FASV510F02-12S	12			25.7	20.9		89.8	83.8	87.8	81.8					22	24
FASV510F03-10S	10	R3/8	17	23.3	18.5	30	88.2	82.2	86.2	80.2	53.6	47.6	40.4	35.5	21	23
FASV510F03-12S	12			25.7	20.9		89.8	83.8	87.8	81.8					22	24
FASV510F04-10S	10	R1/2	22	23.3	18.5	30	88.2	82.2	86.2	80.2	53.6	47.6	44.9	37.6	21	23
FASV510F04-12S	12			25.7	20.9		89.8	83.8	87.8	81.8					22	24

★: Dimensions of covered occasions.

Note 1)Reference dimensions of R-shaped threaded installation.

Note 2)L1, L2 and L3 are reference dimensions.

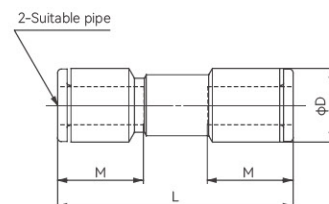
FAKH · FAKB Series-Check Valve With Quick-Change Joint

FAKH Series Straight-Connection Type



Metric Size

Model	Suitable Pipe Outer Diameter	ΦD	L	M
FAKH04-00	4	9.3	34.1	13.2
FAKH06-00	6	11.6	37.5	13.5
FAKH08-00	8	15.2	52	16.4
FAKH10-00	10	18.5	61.2	17
FAKH12-00	12	21.7	68.4	19.2



English size

Model	Suitable Pipe Outer Diameter	ΦD	L	M
FAKH03-00	5/32	9.3	34.1	13.2
FAKH07-00	1/4	12	39	13.5
FAKH09-00	5/16	15.2	52	16.4
FAKH11-00	3/8	18.5	61.2	17
FAKH13-00	1/2	21.7	68.4	19.2

FAKH Series Straight-Connection Joint Type



Metric Size

Model	Suitable Pipe Outer Diameter	Connecting Thread	H	L	A*	M
FAKH04 □ -M5	4	M5×0.8	8	25.8	22.8	12.7
FAKH04 □ -01S		1/8	10	24	20.6	
FAKH06 □ -M5	6	M5×0.8	10	26.3	23.3	13.5
FAKH06 □ -01S		1/8		26.1	22.9	
FAKH06 □ -02S		1/4	14	29	24	17
FAKH08 □ -01S	8	1/8	14	31.9	27.7	18.5
FAKH08 □ -02S		1/4		42	36	
FAKH08 □ -03S		3/8	17		35.5	
FAKH10 □ -02S	10	1/4	17	52.4	48.3	21
FAKH10 □ -03S		3/8		44.4	40.8	
FAKH10 □ -04S		1/2	22	48	41.3	
FAKH12 □ -03S	12	3/8	19	58.4	54	22
FAKH12 □ -04S		1/2	22	52.4	46.5	

※Reference dimensions of R-shaped thread

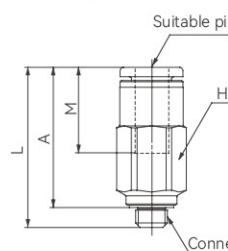
FAKB Series Threaded Type



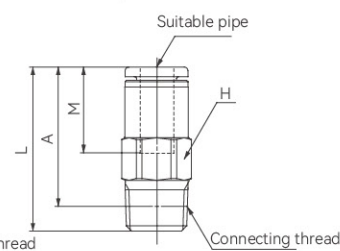
Metric Size

Model	Suitable Pipe Outer Diameter		H	L	A*
	a	b			
FAKB01 □ -01S	1/8	1/8	14	23.7	19.7
FAKB02 □ -02S	1/4	1/4	17	39.8	33.8
FAKB03 □ -03S	3/8	3/8	22	45.2	38.7
FAKB04 □ -04S	1/2	1/2	24	56.2	48.2

<M5, UNF10-32 occasions>

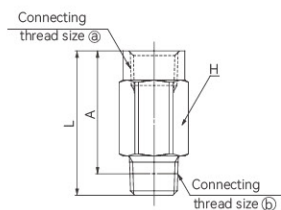


<R, NPT occasions>



English size

Model	Suitable Pipe Outer Diameter	Connecting Thread	H	L	A	M
FAKH03 □ -U10/32	5/32	10-32UNF	8	24.3	21.2	12.7
FAKH03 □ -N01S		1/8	11.11	24.6	20.6	
FAKH07 □ -U10/32	1/4	10-32UNF		25.8	22.7	13.6
FAKH07 □ -N01S		1/8	11.11	26.9	22.9	
FAKH07 □ -N02S		1/4	14.29	31	25	17
FAKH09 □ -N01S	5/16	1/8		31.7	27.7	18.5
FAKH09 □ -N02S		1/4	14.29	42	36	
FAKH09 □ -N03S		3/8	17.46		35.5	
FAKH11 □ -N02S	3/8	1/4		54.2	48.3	21
FAKH11 □ -N03S		3/8	17.46	47.2	40.7	
FAKH11 □ -N04S		1/2	22.23	49.2	41.2	
FAKH13 □ -N03S	1/2	3/8		60.5	54	22
FAKH13 □ -N04S		1/2	22.23	54.5	46.5	



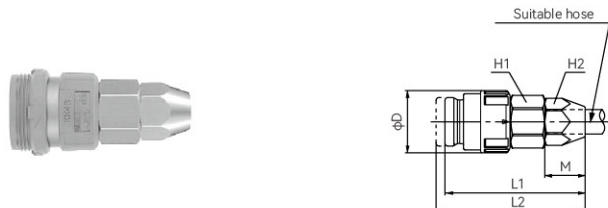
English size

Model	Suitable Pipe Outer Diameter		H	L	A*
	a	b			
FAKB01 □ -N01S	1/8	1/8	14.29	24.2	20.2
FAKB02 □ -N02S	1/4	1/4	17.46	40	34
FAKB03 □ -N03S	3/8	3/8	22.23	44.9	38.4
FAKB04 □ -N04S	1/2	1/2	23.81	55.5	47.5

FKK Series-S-Shaped Connector-Socket

FKKH Series-S-Shaped Connector-Socket

FKK Series Pipe Joint Type With Nut Inside (For Polyurethane Hose With Cloth)



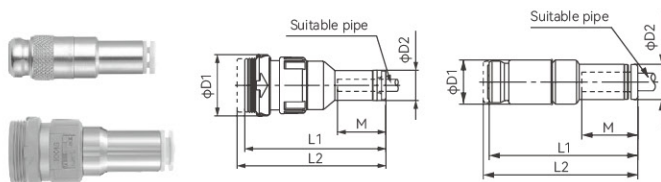
Model	Body size	Suitable hose inner diameter/outer diameter	H1	H2	ϕD	L1	L2 When connecting	M	Minimum Hole Diameter
FKK3S-50N	1/8	5/8	14	14	20.2	42.6	45.1	13.7	4.5
FKK3S-60N		6/9	17	17		44.4	46.9	16.5	5.4
FKK3S-65N		6.5/10							5.9
FKK4S-50N	1/4	5/8		14	28	54.1	57.8	13.7	4.5
FKK4S-60N		6/9		17		46.8	60.5	16.5	5.4
FKK4S-65N		6.5/10	19						5.9
FKK4S-80N		8/12				55.4	59.1		7.4
FKK4S-85N	1/2	8.5/12.5		19	31.6			17.4	7.8
FKK6S-80N		8/12				66	71.3		7.4
FKK6S-85N		8.5/12.5	24						7.8
FKK6S-110N		11/16		24		64.4	69.7	20.1	10.2

FKKH Series Pipe Joint Type With Nut Inside (For Polyurethane Hose With Cloth)



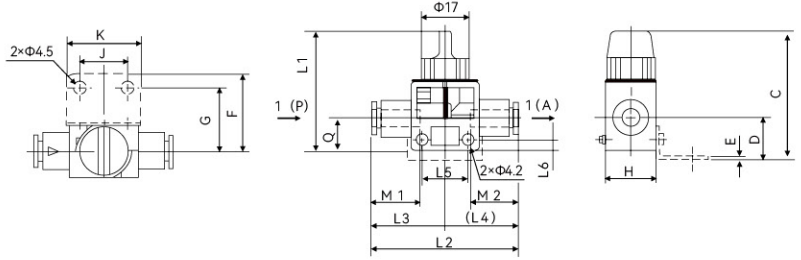
Model	Body Size	Suitable hose inner diameter/outer diameter	H1	H2	ϕD	L1	L2 When connecting	M	Minimum Hole Diameter
F-KKH3S-50N	1/8	5/8	14	14	20.2	42.6	45.1	13.7	4.5
F-KKH3S-60N		6/9	17	17		44.4	46.9	16.5	5.4
F-KKH3S-65N		6.5/10							5.9
F-KKH4S-50N	1/4	5/8		14	28	54.1	57.8	13.7	4.5
F-KKH4S-60N		6/9		17					5.4
F-KKH4S-65N		6.5/10	19			56.8	60.5	16.5	5.9
F-KKH4S-80N		8/12							7.4
F-KKH4S-85N		8.5/12.5		19		55.4	59.1	17.4	7.8

FKK Series Straight-Connection Type With Quick-Change Joint



Model	Body Size	Suitable Pipe Outer Diameter	ϕD1	ϕD2	L1	L2 When connecting	M	Minimum Hole Diameter
FKK2S-23H	M5	ϕ3.2	10.4	7	33.8	35.3	12.7	2.5
FKK2S-04H		ϕ4		8	33.6	35.4		3.4
FKK2S-06H		ϕ6		10	34.5	36.4	13.5	4.7
FKK3S-04H	1/8	ϕ4	20.2	10	46.6	49.1	16	3.2
FKK3S-06H		ϕ6		12	47.1	49.6	17	4.7
FKK3S-08H		ϕ8		14	48.9	51.4	18.5	6.2
FKK3S-10H		ϕ10		17	49.9	52.4	21	7.7
FKK4S-06H	1/4	ϕ6	28	12	58.2	61.9	17	4.7
FKK4S-08H		ϕ8		14	60.1	63.8	18.5	6.2
FKK4S-10H		ϕ10		17	61.5	65.2	21	7.7
FKK4S-12H		ϕ12		19	62.5	66.2	22	9.2
FKK6S-12H	1/2	ϕ16	31.6		70.1	75.4		13.2
FKK6S-16H				25.7	72.3	77.6	25	-

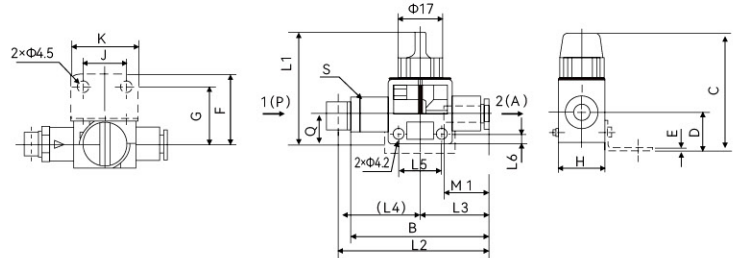
1(P)2(A)-Quick-Change Joint



Model	Suitable Pipe Outer Diameter		H	L1	L2	L3	L4	L5	L6	M1	M2	Q	Effective Cross-sectional Area		Bracket installation mode							
	1(P)	2(A)											1(P) → 2(A)	2(A) → 3(R)*	Bracket assemblyModel	C	D	E	F	G	J	K
FVHK2-04F04F	4	4	18	40.5	45.6	22.8	22.8	16.5	3.5	17	17	11	3.4	1.2	FVHK-B1A	44.5	14.5	1	27	22	16.5	26
FVHK2-06F04F	6	4	18	40.5	47.2	23.6	23.6	16.5	3.5	17	17	11	5.1	1.2	FVHK-B1A	44.5	14.5	1	27	22	16.5	26
FVHK2-06F06F		6			47.2		23.6				17		7.2									
FVHK2-08F06F	8	6	18	40.5	50.6	25.3	25.3	16.5	3.5	19	17	11	9	1.2	FVHK-B1A	44.5	14.5	1	27	22	16.5	26
FVHK2-08F08F		8			50.6		25.3				19		9.7									
FVHK2-10F08F	10	8	22	45	58.5	29.4	29.1	21.5	4	21	19	14	13.7	3.2	FVHK-B2A	49	17	1	30	25	21.5	31
FVHK2-10F10F		10			58.8		29.4				21		16.1									
FVHK2-12F10F	12	10	22	45	60.8	30.4	30.4	21.5	4	22	21	14	17	3.2	FVHK-B2A	49	17	1	30	25	21.5	31
FVHK2-12F12F		12			60		30.4				21		17.5									

※ 1 Tee valve occasions

1(P)-External Threaded2(A)-Quick-Change Joint



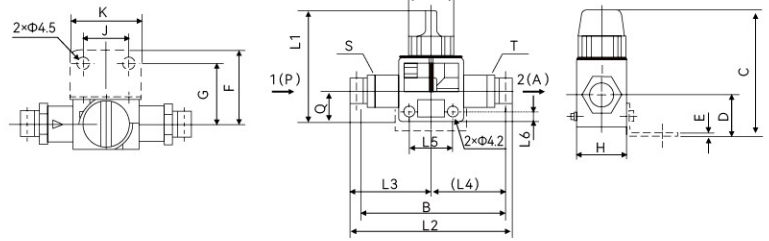
Model	Connecting Thread	Suitable Pipe Outer Diameter	H	L1	L2	L3	L4	L5	L6	M1	Q	Effective Cross-sectional Area		B ^{※2}	S	Bracket installation mode								
	1(P)	2(A)										1(P) → 2(A)	2(A) → 3(R) [※]			Bracket assemblyModel	C	D	E	F	G	J	K	
FVHK2-M5-04F	M5	4	18	40.5	50.8	22.8	22.8	16.5	3.5	17	11	2	1.2	49	11	FVHK-B1A	44.5	14.5	1	27	22	16.5	26	
FVHK2-M5-06F		6			52.8	23.6	23.6			17				50	13									
FVHK2-01S-04F	1/8	4	18	40.5	53.8	22.8	22.8	16.5	3.5	17	11	3.4	1.2	51	11	FVHK-B1A	44.5	14.5	1	27	22	16.5	26	
FVHK2-01S-06F		6			55.6	23.6	23.6			17				7.2	53									13
FVHK2-01S-08F		8			59.1	25.3	25.3			19				9.7	58									17
FVHK2-02S-06F	1/4	6	18	40.5	59.3	23.6	23.6	16.5	3.5	17	11	7.2	1.2	54	14	FVHK-B1A	44.5	14.5	1	27	22	16.5	26	
FVHK2-02S-08F		8			62.3	25.3	25.3			19				9.7	59									17
FVHK2-02S-10F		10	71.1	29.4	29.4	21.5	4	21	14	16.1	3.2	68	19	FVHK-B2A	49	17		30	25	21.5	31			
FVHK2-02S-12F		12	73.1	30.4	30.4			22		17.5		70	22											
FVHK2-03S-06F	3/8	6	18	40.5	60.8	23.6	23.6	16.5	3.5	17	11	7.2	1.2	56	17	FVHK-B1A	44.5	11.5	1	27	22	16.5	26	
FVHK2-03S-08F		8			64.3	25.3	25.3			19				9.7	60									
FVHK2-03S-10F		10	71.9	29.4	29.4	21.5	4	21	14	16.1	3.2	68	19	FVHK-B2A	49	17		30	25	21.5	31			
FVHK2-03S-12F		12	73.9	30.4	30.4			22		17.5		71	22											
FVHK2-04S-10F	1/2	10	22	45	76.1	29.4	29.4	21.5	4	21	14	16.1	3.2	70	22	FVHK-B2A	49	17	1	30	25	21.5	31	
FVHK2-04S-12F		12			78.1	30.4	30.4			22		17.5		72										

※ 1 Tee valve occasions

※ 2 Reference dimensions of R-threaded pipe joint installation

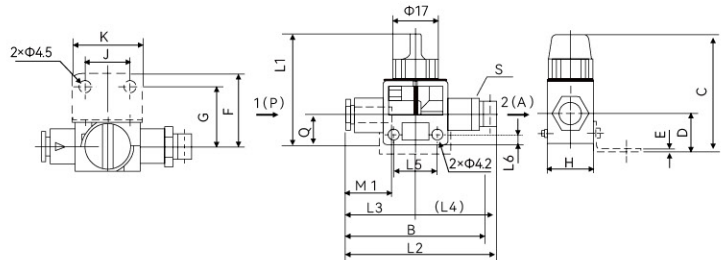
FVHK Series-Manual Valve

1(P)2(A)-External Threaded



Model	Connecting Thread	Suitable Pipe Outer Diameter	H	L1	L2	L3	L4	L5	L6	Q	Effective Cross-sectional Area		B ^{※2}	S	T	Bracket installation mode							
	1(P)	2(A)									1(P) → 2(A)	2(A) → 3(R) [※]				Bracket assembly Model	C	D	E	F	G	J	K
FVHK3-M5-M5	M5	M5	18	40.5	56	28	28	16.5	3.5	11	2	1.2	51	11	11	FVHK-B1A	44.5	14.5	1	27	22	16.5	26
FVHK3-01S-M5	1/8	M5	18	40.5	61.3	32.1	29.2	16.5	3.5	11	2	1.2	54	13	13	FVHK-B1A	44.5	14.5	1	27	22	16.5	26
FVHK3-01S-01S		1/8			64.2	32.1	32.1				8.6		57										
FVHK3-02S-01S	1/4	1/8	18	40.5	70.8	37	33.8	16.5	3.5	11	9	1.2	62	17	13	FVHK-B1A	44.5	14.5	1	27	22	16.5	26
FVHK3-02S-02S		1/4			74	37	37				9.7		66	17									
FVHK3-03S-02S	3/8	1/4	22	45	84.3	42.6	41.7	21.5	4	14	13.7	3.2	73	19	17	FVHK-B2A	49	17	1	30	25	21.5	31
FVHK3-03S-03S		3/8			85.2	42.6	42.6				16.1		76	19									
FVHK3-04S-03S	1/2	3/8	22	45	91.3	47.8	43.5	21.5	4	14	15.1	3.2	79	22	19	FVHK-B2A	49	17	1	30	25	21.5	31
FVHK3-04S-04S		1/2			95.6	47.8	47.8				17.5		81	22									

1(P)-Quick-Change Joint2(A)-External Threaded



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	L1	L2	L3	L4	L5	L6	M1	Q	Effective Cross-sectional Area		B ^{※2}	S	Bracket installation mode							
	1(P)	2(A)										1(P) → 2(A)	2(A) → 3(R) [※]			Bracket assembly Model	C	D	E	F	G	J	K
FVHK3-04FM5	4	M5	18	40.5	50.8	28	28	16.5	3.5	17	11	2	1.2	49	11	FVHK-B1A	44.5	14.5	1	27	22	16.5	26
FVHK3-04F01S		1/8			53.8	31	31					3.4		51	1								
FVHK3-06FM5	6	M5	18	40.5	52.8	29.2	29.2	16.5	3.5	17	11	2	1.2	50	11	FVHK-B1A	44.5	14.5	1	27	22	16.5	26
FVHK3-06F01S		1/8			55.6	32	32					7.2		53	13								
FVHK3-06F02S		1/4			59.3	35.7	35.7							54	17								
FVHK3-06F03S		3/8			60.8	37.2	37.2							56	14								
FVHK3-08F01S	8	1/8	18	40.5	59.1	33.8	33.8	16.5	3.5	19	11	9.7	1.2	58	17	FVHK-B1A	44.5	14.5	1	27	22	16.5	26
FVHK3-08F02S		1/4			62.3	37	37							59	19								
FVHK3-08F03S		3/8			64.3	39	39							60	22								
FVHK3-10F02S	10	1/4	22	45	71.1	41.7	41.7	21.5	4	21	14	16.1	3.2	68	17	FVHK-B2A	49	17	1	30	25	21.5	31
FVHK3-10F03S		3/8			71.9	42.5	42.5							70	19								
FVHK3-10F04S		1/2			76.1	46.7	46.7							70	19								
FVHK3-12F02S	12	1/4	22	45	73.1	30.4	42.7	21.5	4	22	14	17.5	3.2	70	22	FVHK-B2A	49	17	1	30	25	21.5	31
FVHK3-12F03S		3/8			73.1	30.4	42.7							71	22								
FVHK3-12F04S		1/2												72	22								

※1 Tee valve occasions

※2 Reference dimensions of R-threaded pipe joint installation

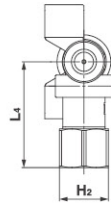
FZH Series-Vacuum Generator-Direct Piping Type-Quick-Change Joint Connection

FZH Series Direct Piping Type-Quick-Change Joint Connection+Threaded Connection



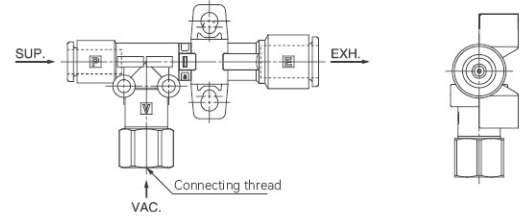
Metric Size

Model	H2	L4	Connecting Thread2
FZH05DSA-06-01-06	12	26.1	Rc1/8
FZH07DSA-06-01-06			
FZH10DSA-06-01-08			
FZH13DSA-08-02-10	17	35.5	Rc1/4
FZH15DSA-08-03-10	19	35.8	Rc3/8
FZH18DSA-10-03-12		38.5	
FZH20DSA-10-04-12	24	42.8	Rc1/2



English size

Model	H2	L4	Connecting Thread2
FZH05DSA-07-N01-07	12.7	26.1	NPT1/8
FZH07DSA-07-N01-07			
FZH10DSA-07-N01-09			
FZH13DSA-09-N02-11	17.46	35.5	NPT1/4
FZH15DSA-09-N03-11	22.23	36.8	NPT3/8
FZH18DSA-11-N03-13		35.5	
FZH20DSA-11-N04-13	23.81	42.8	NPT1/2

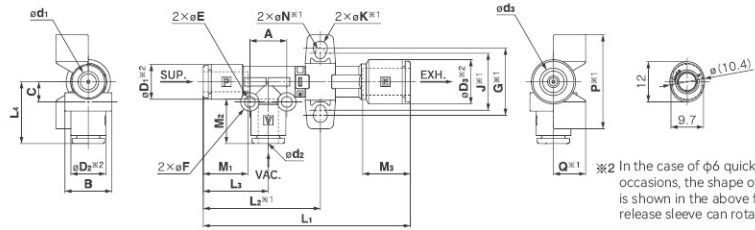


FZH Series Direct Piping Type-Quick-Change Joint Connection



Metric Size

Model	D1	D2	D3	d1	d2	d3	M1	M2	M3	L1	L2*	L3	L4	A	B	C	E	F	G*	J*	K*	N*	P*	Q*
FZH05DLA-06-06-06	10.7	10.7	10.7	6	6	6	13.3	13.3	13.3	51.8	34.9	19.4	18.4	11	14	6	3.2	5.5	20	17	4.2	3.2	28	9.6
FZH07DLA-06-06-06			13.6			8			14.2	61.7														
FZH10DLA-06-06-08			13.6			8			14.2	61.7														
FZH13DLA-08-10-10	13.6	16.2	16.2	8	10	10	14.2	15.6	15.6	71.8	43.9	22.4	24.4	17	20	9	4.3	7.8	27	22		4.2	35	12
FZH15DLA-08-10-10										83.4														
FZH18DLA-10-12-12	16.2	19	19	10	12	12	15.6	17	17	105.8	60.9	28.4	26.4	22	22	10								
FZH20DLA-10-12-12										112.2														



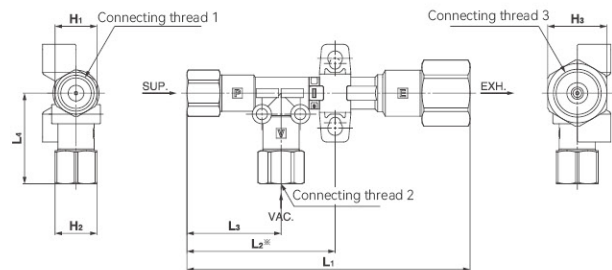
※2 In the case of $\phi 6$ quick-change joint occasions, the shape of the release sleeve is shown in the above figure. In addition, the release sleeve can rotate freely.

FZH Series Direct Piping Type-Threaded Connection



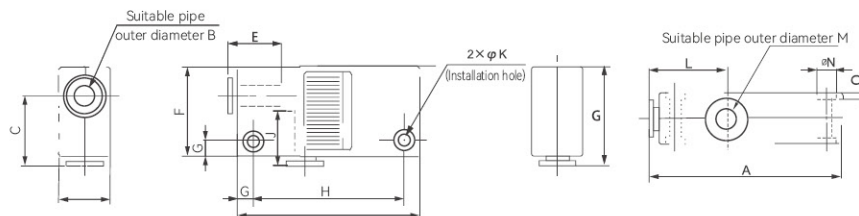
Metric Size

Model	H1	H2	H3	L1	L2※	L3	L4	Connecting Thread1	Connecting Thread2	Connecting Thread3
FZH05DSA-01-01-01	12	12	12	67	42.5	27.1	26.1	Rc1/8	Rc1/8	Rc1/8
FZH07DSA-01-01-01				70.2						
FZH10DSA-01-01-01				76.6						
FZH13DSA-01-02-02		17	17	90	50.2	29.6	35.3		Rc1/4	Rc1/4
FZH15DSA-02-03-03	17	19	19	107	62.1	33.6	35.8	Rc1/4	Rc3/8	Rc3/8
FZH18DSA-03-03-03	19			129.6	72	40.8	38.3	Rc3/8		
FZH20DSA-03-04-04				24	24		140.5			



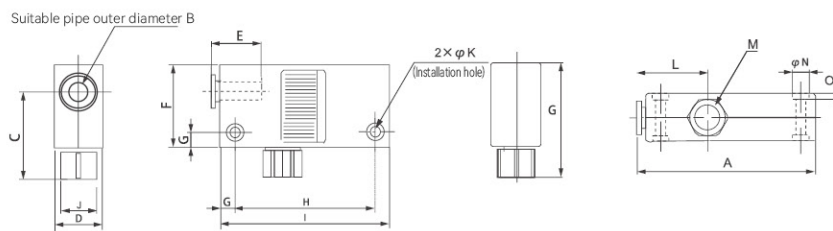
FZH Series-Vacuum Generato Box Type (Built-in Muffler) Direct Piping Type

FZH Series Box Type-Quick-Change Joint Connection



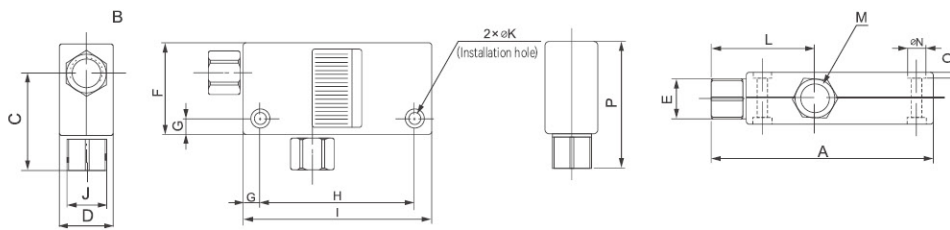
Model	A	ΦB	C	D3	E	F	G	H	I	J	ΦK	L	ΦM	ΦN	O	P
FZH05BS-06-06	60	6	18.9	16	14.1	28	5	47	57	14.1	3.2	20	6	5.8	2	31
FZH05BL-06-06																
FZH07BS-06-06																
FZH07BL-06-06																
FZH10BS-06-06	62.5	6	19	18	14.1	29	5	50	60	14.1	3.2	19.8	6	5.8	2	31.5
FZH10BL-06-06																
FZH13BS-08-10	78	8	25.5	23	14.8	35	7	61	75	16.9	4.2	22.5	10	7.5	3	38.3
FZH13BL-08-10																

FZH Series Box Type-Quick-Change Joint Connection+Threaded Connection

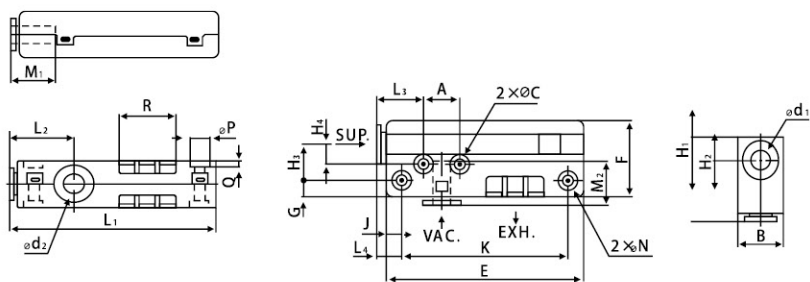


Model	A	ΦB	C	D3	E	F	G	H	I	J	ΦK	L	ΦM	ΦN	O	P
FZH05BS-06-01	60	6	29.5	16	14.1	28	5	47	57	12	3.2	20	Rc1/8	5.8	2	38
FZH05BL-06-01																
FZH07BS-06-01																
FZH07BL-06-01																
FZH10BS-06-01	62.5	6	30.5	18	14.1	29	5	50	60	12	3.2	19.8	Rc1/8	5.8	2	38.5
FZH10BL-06-01																
FZH13BS-08-02	78	8	39	23	14.8	35	7	61	75	17	4.2	22.5	Rc1/4	7.5	3	49.5
FZH13BL-08-02																

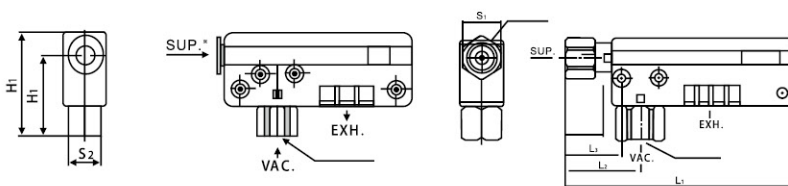
FZH Series Box Type-Threaded Connection



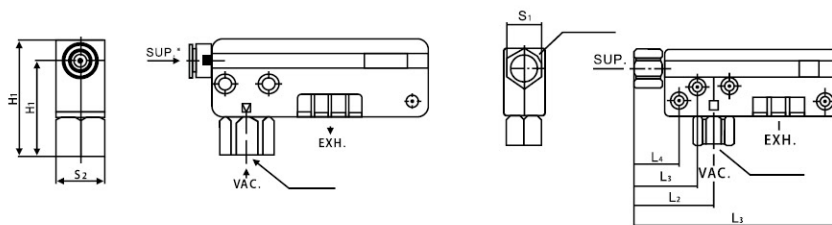
Model	A	ΦB	C	D3	E	F	G	H	I	J	ΦK	L	ΦM	ΦN	O	P
FZH05BS-01-01	67	Rc1/8	26	16	12	28	5	47	57	12	3.2	27	Rc1/8	5.8	2	38
FZH05BL-01-01																
FZH07BS-01-01																
FZH07BL-01-01																
FZH10BS-01-01	69.5	Rc1/8	26	18	23	29	5	50	60	12	3.2	26.8	Rc1/8	5.8	2	38.5
FZH10BL-01-01																
FZH13BS-01-02	85	Rc1/8	36.5	23	14	35	7	61	75	17	4.2	33.5	Rc1/4	7.5	3	49.5
FZH13BL-01-02																



Model	d1	d2	M1	M2	L1	L2	L3	H2	H3	H4	A	B	C	E	F	G	J	K	N	P	Q	R	
FZH05BSA-06-06	6	6	13.3	59.4	59.4	19.4	13.9	18.4	11	6	11	14	3.2	57	23	5	5	47	3.2	5.8	2	15	
FZH07BSA-06-06																							
FZH10BSA-06-06				62.4	62.4																		
FZH13BSA-08-10	8	10	14.2	77.4	77.4	22.4												24.4				16	9



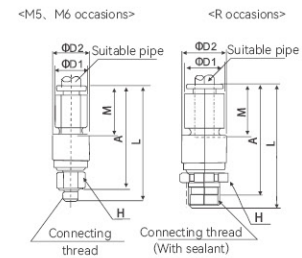
Model	S2	H1	H2	Connecting Thread
FZH05BSA-06-01	12	33	26	Rc1/8
FZH07BSA-06-01				
FZH10BSA-06-01				
FZH13BSA-08-02	17	44.3	36.3	Rc1/4



Model	S1	L1	L2	L3	L4	Connecting Thread	
FZH05BSA-01-01	12	67	27	21.5	15	Rc1/8	Rc1/8
FZH07BSA-01-01							
FZH10BSA-01-01		70					
FZH13BSA-01-02		84.5	29.5	21	16.5		

FKS/KX Series-Rotary Quick-Change Joint

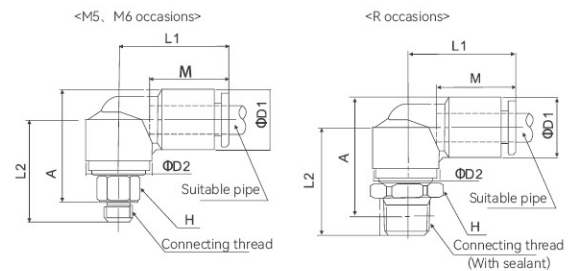
FKSH Series Straight-Connection Joint(Standard)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	D1	D2	L	A※	M	Minimum Hole Diameter
FKSH04-M5	4	M5×0.8	8	10.4	12	36.5	33	16	2.5
FKSH04-M6		M6×1	12			37			
FKSH04-01S		1/8	12			37.1			
FKSH06-M5	6	M5×0.8	8	12.8	14	37.5	33.9	17	2.5
FKSH06-M6		M6×1	14			38	33.9		3
FKSH06-01S		1/8	14			38.6	35.5		4
FKSH06-02S		1/4	14			42	36.5		4
FKSH08-01S	8	1/4	17	15.2	17	43.1	40	18.5	6
FKSH08-02S		1/4				46.5	41		
FKSH08-03S		3/8				46.9	41.5		
FKSH10-02S	10	1/4	22	18.5	22	53.5	48	21	7
FKSH10-03S		3/8				53.9	48.5		
FKSH10-04S		1/2				56.6	49.5		
FKSH12-03S	12	3/8	24	20.9	24	55.9	50.5	22	8
FKSH12-04S		1/2				59.1	52		

※Reference dimensions of R-shaped threaded installation

FKSL Series Elbow(Standard)



Model	Suitable Pipe Outer Diameter	Connecting Thread	H	D1	D2	L1	L2	A※	M	Minimum Hole Diameter
FKSL04-M5	4	M5×0.8	8	10.6	12	20.6	20.5	22.3	16	2.5
FKSL04-M6		M6×1	12				21.1			
FKSL04-01S		1/8	12				23.3	23.5		
FKSL06-M5	6	M5×0.8	8	12.9	14	22.8	21.5	24.5	17	2.5
FKSL06-M6		M6×1	14				22.1	24.5		3
FKSL06-01S		1/8	14				23.3	25.5		4
FKSL06-02S		1/4	14				26.1	26.5		4
FKSL08-01S	8	1/8	17	15.4	17	25.4	26.9	30	18	6
FKSL08-02S		1/4					29.6	31		
FKSL08-03S		3/8					30	32		
FKSL10-02S	10	1/4	22	18.5	22	31	34.1	37.5	21	7
FKSL10-03S		3/8					34.6	38		
FKSL10-04S		1/2					37.8	39.5		
FKSL12-03S	12	3/8	24	21	24	33.5	36	40.5	22	8
FKSL12-04S		1/2					39.2	42		

※Reference dimensions of R-shaped threaded installation



Product Features

- Flexible polyurethane material, adhering to ROHS environmental standards.
- High elasticity: Small bending radius allows PU pipe to pass through tight spaces.
- Tangle-resistant: Better anti-tangle effect compared to other plastic pipes.
- Excellent plastic resilience can withstand repeated stretching.
- Wear-resistant: Long service life, suitable for wear-prone environments.
- Low gas permeability reduces leakage and contamination issues.
- Good solubility resistance: No solvent leakage, thus no environmental pollution.
- Low compressibility maintains excellent physical properties.
- Suitable mediums: Air, water.

Finished Product Order Code

FPU	10	4.0	100M	BU
↓	↓	↓	↓	↓
Specification Code	Outer Diameter Code	Speed Code	Speed Code	Color Code
FPU12X8	3.2: Φ3.2mm 4.0: Φ4.0mm 6.0: Φ6.0mm 8.0: Φ8.0mm 10: Φ10.0mm 12: Φ12.0mm 16: Φ16.0mm	2.0: Φ2.0mm 2.5: Φ2.5mm 4.0: Φ4.0mm 5.0: Φ5.0mm 5.5: Φ5.5mm 6.0: Φ6.0mm	6.5: Φ6.5mm 8.0: Φ8.0mm 10: Φ10.0mm 11: Φ11.0mm 12: Φ12.0mm	100M: 100m/Roll 200M: 200m/Roll 100M: 100m/Roll
FPU10X6.5	3.2: Φ3.2mm 4.0: Φ4.0mm 6.0: Φ6.0mm 8.0: Φ8.0mm 10: Φ10.0mm 12: Φ12.0mm	2.0: Φ2.0mm 2.5: Φ2.5mm 4.0: Φ4.0mm 5.0: Φ5.0mm	5.5: Φ5.5mm 6.5: Φ6.5mm 8.0: Φ8.0mm	20M: 20m/Roll 100M: 100m/Roll 200M: 200m/Roll 20M: 20m/Roll 100M: 100m/Roll
				BU: Blue BK: Black C: Transparent CB: Transparent Blue R: Red Y: Yellow GA: Gray GN: Green CR: Transparent Red CG: Transparent Green CY: Transparent Yellow

Specifications (Standard Pressure Type)

Model [Note 1]	Outer Diameter (mm)	Inner Diameter (mm)	Wall Thickness (mm)	Length per Roll (m)	Working Pressure at 23° C (MPa) [Note 2]	Bursting Pressure at 23° C (MPa)	Bending Radius (mm)	Weight per 100 Meters (kg)	Working Temperature (° C)
FPU3.2×2.0 □□	3.2	2.0	0.60	100\200	1.0	3.0	8	0.60	-20~70
FPU4.0×2.5 □□	4.0	2.5	0.75	100\200	1.0	3.0	10	0.94	
FPU6.0×4.0 □□	6.0	4.0	1.00	100\200	1.0	3.0	15	1.93	
FPU8.0×5.0 □□	8.0	5.0	1.50	100	1.0	3.0	20	3.66	
FPU10×6.5 □□	10.0	6.5	1.75	100	1.0	3.0	25	5.44	
FPU12×8.0 □□	12.0	8.0	2.00	100	1.0	3.0	35	7.56	
FPU3.2×2.0 □□	3.23	2.0	0.60	20\100\200	1.0	2.5	8	0.60	-40~70
FPU4.0×2.5 □□	4.0	2.5	0.75	20\100\200	1.0	2.5	8	0.94	
FPU6.0×4.0 □□	6.0	4.0	1.00	20\100\200	1.0	2.5	12	1.91	
FPU8.0×5.0 □□	8.0	5.0	1.50	20\100	1.0	2.5	17	3.58	
FPU10×6.5 □□	10.0	6.5	1.75	20\100	1.0	2.5	20	5.32	
FPU12×8.0 □□	12.0	8.0	2.00	20\100	1.0	2.5	30	7.27	

Specifications (Low-Pressure Type)

Model [Note 1]	Outer Diameter (mm)	Inner Diameter (mm)	Wall Thickness (mm)	Length per Roll (m)	Working Pressure at 23° C (MPa) [Note 2]	Bursting Pressure at 23° C (MPa)	Bending Radius (mm)	Weight per 100 Meters (kg)	Working Temperature (° C)
FPU8.0×5.5 □□	8.0	5.5	1.25	100	0.8	2.0	20	3.25	-20~70
FPU8.0×6.0 □□	8.0	6.0	1.00	100	0.4	1.5	25	2.70	
FPU16×12 □□	16.0	12.0	2.00	100	0.4	2.0	80	8.32	
FPU8.0×5.5 □□	8.0	5.5	1.25	20\100	0.8	1.5	17	3.18	-40~70

[Note 1] The first box in the model column "□□" represents the order code "Unit" and the second box represents the order code "Color".

[Note 2] Working pressure: Safety factor is 1/3 of the bursting pressure.

 The product data referred to in the company shall be subject to material object. Subject to change without notice.
The company has the final right to interpret.

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