Model No. 5K103

*MAWP: 10,000 PSI (690 bar) Port: 0.187" (4.7 mm)

Cv: 0.56

Materials of Construction:

- -316 cold-worked stainless steel body and side adapters
- -17-4PH stem
- -PEEK ball seals
- -Viton O-rings
- -PTFE back-ups

Ordering information and options on page BV-2

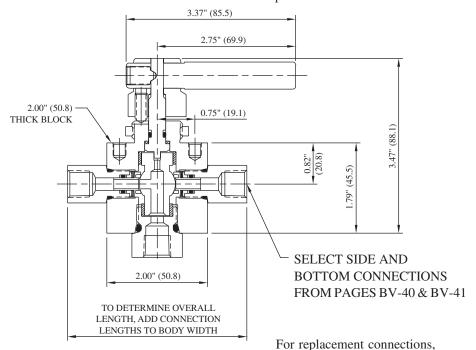
Repair Kit P/N RK-5K103 contains stem, trunnion, trunnion seals and seal retainers, o-rings, backups, spring washers, and bearing washers

Mounting:

Panel: 1.06" (26.9 mm) dia

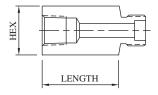
0.25" (6.4 mm) max thickness

Top: 1/4"-20 UNC



FEMALE PIPE

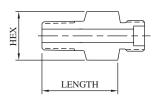
	F	or Side (Connectio	ons	Fo	tion			
Connection	Suffix	Hex	Length	Port	Suffix	Hex	Length	Port	MAWP*
1/8" FNPT	19	0.75"	0.60"	0.250"	19B	1.00"	0.63"	0.250"	15,000 PSI
1/6 FNF1	19	(19.1)	(15.2)	(6.4)	17D	(25.4)	(16.0)	(6.4)	1030 bar
1/4" FNPT	20	0.75"	0.60"	0.250"	20B	1.00"	0.55"	0.250"	15,000 PSI
1/4 FNF1	20	(19.1)	(15.2)	(6.4)	20D	(25.4)	(14.0)	(6.4)	1030 bar
3/8" FNPT	21	1.00"	1.01"	0.250"	21B	1.00"	1.01"	0.250"	15,000 PSI
3/6 FNF1	21	(25.4)	(25.7)	(6.4)	21D	(25.4)	(25.7)	(6.4)	1030 bar
1/2" FNPT	22	1.00"	1.01"	0.250"	22B	1.00"	1.16"	0.250"	15,000 PSI
1/2 TINE I	22	(25.4)	(25.7)	(6.4)	22D	(25.4)	(29.5)	(6.4)	1030 bar



use prefix number **3-** and suffix number. Ex: 3-20

MALE PIPE

	F	or Side (Connectio	ons	Fo	tion			
Connection	Suffix	Hex	Length	Port	Suffix	Hex	Length	Port	MAWP*
1/8" MNPT	4	0.75"	1.01"	0.125"	4B	1.00"	0.93"	0.125"	15,000 PSI
1/6 WINF I	4	(19.1)	(25.7)	(3.2)	40	(25.4)	(23.6)	(3.2)	1030 bar
1/4" MNPT	5	0.75"	1.01"	0.250"	5B	1.00"	1.05"	0.250"	15,000 PSI
1/4 WINF1	3	(19.1)	(25.7)	(6.4)	ЭБ	(25.4)	(26.7)	(6.4)	1030 bar
3/8" MNPT	6	0.75"	1.01"	0.250"	6B	1.00"	1.01"	0.250"	15,000 PSI
5/6 WINE I	U	(19.1)	(25.7)	(6.4)	OD	(25.4)	(25.7)	(6.4)	1030 bar
1/2" MNPT	7	1.00"	1.26"	0.250"	7B	1.00"	1.29"	0.250"	15,000 PSI
1/2 WINFT	/	(25.4)	(32.0)	(6.4)	/ D	(25.4)	(32.8)	(6.4)	1030 bar



*CAUTION: The maximum allowable working pressure (MAWP) of the valve shall not exceed the MAWP of the valve series or the selected connection, whichever is less.

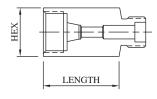




Model No. 5K103

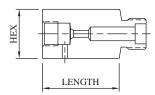
FEMALE SINGLE-FERRULE TUBE

	F	or Side (Connectio	ns	Fo	tion			
Connection	Suffix	Hex	Length	Port	Suffix	Hex	Length	Port	MAWP*
1/8" L/P	12	0.75"	0.78"	0.093"	12B	1.00"	0.55"	0.093"	15,000 PSI
1/6 L/F	12	(19.1)	(19.8)	(2.4)	12B	(25.4)	(14.0)	(2.4)	1030 bar
1/4" SL/P	13	0.75"	1.03"	0.125"	13B	1.00"	0.83"	0.125"	11,500 PSI
1/4 SL/P	13	(19.1)	(26.2)	(3.2)	130	(25.4)	(21.0)	(3.2)	790 bar
3/8" SL/P	14	0.75"	1.03"	0.250"	14B	1.00"	1.01"	0.250"	7,500 PSI
3/6 SL/F	14	(19.1)	(26.2)	(6.4)	14D	(25.4)	(25.7)	(6.4)	520 bar
1/2" L/P	15	1.00"	1.03"	0.250"	15B	1.00"	1.01"	0.250"	5,500 PSI
1/2 L/P	15	(25.4)	(26.2)	(6.4)	13B	(25.4)	(25.7)	(6.4)	380 bar



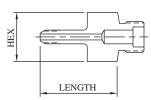
FEMALE M/P CONED AND THREADED TUBE

	F	or Side (Connectio	ons	Fo	tion			
Connection	Suffix	Hex	Length	Port	Suffix	Hex	Length	Port	MAWP*
1/4" M/P	16	0.75"	0.74"	0.109"	16B	1.00"	0.76"	0.109"	20,000 PSI
1/4 IVI/P	10	(19.1)	(18.8)	(2.8)	100	(25.4)	(19.3)	(2.8)	1380 bar
3/8" M/P	17	0.75"	1.01"	0.203"	17B	1.00"	0.83"	0.203"	20,000 PSI
3/8 WI/F	17	(19.1)	(25.7)	(5.2)	1/1	(25.4)	(21.0)	(5.2)	1380 bar
9/16" M/P	18	1.00"	1.26"	0.250"	18B	1.00"	1.01"	0.312"	20,000 PSI
9/10 M/P	10	(25.4)	(32.0)	(6.4)	10D	(25.4)	(25.7)	(7.9)	1380 bar



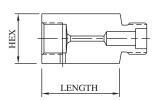
MALE M/P CONED AND THREADED TUBE

	F	or Side (Connectio	ons	Fo	tion			
Connection	Suffix	Hex	Length	Port	Suffix	Hex	Length	Port	MAWP*
1/4" M/P	8	0.75"	1.88"	0.109"	8B	1.00"	1.88"	0.109"	20,000 PSI
1/4 IVI/F	O	(19.1)	(47.8)	(2.8)	ов	(25.4)	(47.8)	(2.8)	1380 bar
3/8" M/P	10	0.75"	2.00"	0.203"	10B	1.00"	2.00"	0.203"	20,000 PSI
3/6 WI/F	10	(19.1)	(50.8)	(5.2)	100	(25.4)	(50.8)	(5.2)	1380 bar
9/16" M/P	11	1.00"	2.31"	0.250"	11B	1.12"	2.95"	0.312"	20,000 PSI
9/10 WI/F	11	(25.4)	(58.7)	(6.4)	1110	(28.4)	(74.9)	(7.9)	1380 bar



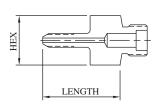
FEMALE H/P CONED AND THREADED TUBE

	F	or Side (Connectio	ons	Fo	tion			
Connection	Suffix	Hex	Length	Port	Suffix	Hex	Length	Port	MAWP*
1/4" H/P	23	0.75"	1.01"	0.093"	23B	1.00"	0.89"	0.093"	20,000 PSI
1/4 11/1	23	(19.1)	(25.7)	(2.4)	230	(25.4)	(22.6)	(2.4)	1380 bar
3/8" H/P	24	1.00"	1.17"	0.125"	24B	1.00"	0.99"	0.125"	20,000 PSI
3/6 11/1	24	(25.4)	(29.7)	(3.2)	24D	(25.4)	(25.1)	(3.2)	1380 bar
9/16" H/P	25	1.37"	1.25"	0.187"	25B	1.37"	1.25"	0.187"	20,000 PSI
9/10 H/F	25	(34.8)	(31.8)	(4.7)	23B	(34.8)	(31.8)	(4.7)	1380 bar



MALE H/P CONED AND THREADED TUBE

	F	or Side (Connectio	ons	Fo	tion			
Connection	Suffix	Hex	Length	Port	Suffix	Hex	Length	Port	MAWP*
1/4" H/P	9	0.75"	1.94"	0.083"	9B	1.00"	2.12"	0.083"	20,000 PSI
1/4 П/Г	9	(19.1)	(49.3)	(2.1)	ЭD	(25.4)	(53.8)	(2.1)	1380 bar
3/8" H/P	30	0.75"	2.25"	0.125"	30B	1.00"	2.35"	0.125"	20,000 PSI
3/6 11/1	30	(19.1)	(57.2)	(3.2)	JUD	(25.4)	(59.7)	(3.2)	1380 bar
9/16" H/P	42	0.75"	2.82"	0.187"	42B	1.00"	2.88"	0.187"	20,000 PSI
9/10 H/F	42	(19.1)	(71.6)	(4.7)	42D	(25.4)	(73.2)	(4.7)	1380 bar



*CAUTION: The maximum allowable working pressure (MAWP) of the valve shall not exceed the MAWP of the valve series or the selected connection, whichever is less.





5K106 Model No.

*MAWP: 10,000 PSI (690 bar) 0.375" (9.5 mm) Port:

2.40 Cv:

Materials of Construction:

- -316 cold-worked stainless steel body and side adapters
- -17-4PH stem
- -PEEK ball seals
- -Viton O-rings
- -PTFE back-ups

Ordering information and options on page BV-2

Repair Kit P/N RK-5K106 contains stem, trunnion, trunnion seals and seal retainers, o-rings, backups, spring washers, and bearing washers

Side: 0.28" (7.1 mm) dia 5.17" (131.3) 4.50" (114.3)

SELECT SIDE AND **BOTTOM CONNECTIONS** FROM PAGES BV-42 & BV-43

For replacement side connections, use prefix number 36- and suffix number.

Ex: 36-22

Mounting:

Panel: 1.28" (32.5 mm) dia

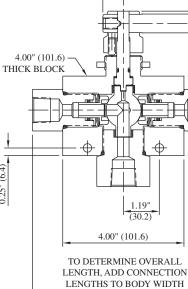
4.77" (121.2)

2.63"

0.43" (11.0 mm) max thickness

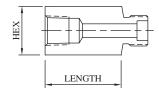
For replacement bottom connections, use prefix number 46- and suffix

number. Ex: 46-22B



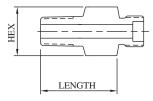
FEMALE PIPE

_	F	'or Side (Connectio	ns	Fo	tion			
Connection	Suffix	Hex	Length	Port	Suffix	Hex	Length	Port	MAWP*
1/8" FNPT	19	1.38"	0.47"	0.339"	19B	1.75"	0.47"	0.339"	15,000 PSI
1/6 1111 1	1)	(35.1)	(11.9)	(8.6)	171	(44.5)	(11.9)	(8.6)	1030 bar
1/4" FNPT	20	1.38"	1.00"	0.437"	20B	1.75"	0.37"	0.375"	15,000 PSI
1/4 TINE I	20	(35.1)	(25.4)	(11.1)	201	(44.5)	(9.4)	(9.5)	1030 bar
3/8" FNPT	21	1.38"	1.00"	0.500"	21B	1.75"	1.06"	0.375"	15,000 PSI
3/6 11111	21	(35.1)	(25.4)	(12.7)	210	(44.5)	(26.9)	(9.5)	1030 bar
1/2" FNPT	22	1.38"	1.00"	0.500"	22B	1.75"	1.11"	0.375"	15,000 PSI
1/2 1111 1	22	(35.1)	(25.4)	(12.7)	220	(44.5)	(28.2)	(9.5)	1030 bar
3/4" FNPT	41	1.38"	1.10"	0.500"	41B	1.75"	1.17"	0.375"	10,000 PSI
3/4 1101 1	71	(35.1)	(27.9)	(12.7)	7110	(44.5)	(29.7)	(9.5)	690 bar
1" FNPT	45	1.75"	1.75"	0.500"	45B	1.75"	1.75"	0.500"	10,000 PSI
1 TINET	73	(44.5)	(44.5)	(12.7)	73D	(44.5)	(44.5)	(12.7)	690 bar



MALE PIPE

	F	or Side (Connectio	ns	Fo	ion			
Connection	Suffix	Hex	Length	Port	Suffix	Hex	Length	Port	MAWP*
1/8" MNPT	4	1.38"	1.08"	0.187"	4B	1.75"	1.09"	0.187"	15,000 PSI
1/6 WINF I	7	(35.1)	(27.4)	(4.7)	40	(44.5)	(27.7)	(4.7)	1030 bar
1/4" MNPT	5	1.38"	1.22"	0.250"	5B	1.75"	1.31"	0.250"	15,000 PSI
1/4 IVINE I	3	(35.1)	(31.0)	(6.4)	ЭБ	(44.5)	(33.3)	(6.4)	1030 bar
3/8" MNPT	6	1.38"	1.23"	0.375"	6B	1.75"	1.43"	0.375"	15,000 PSI
3/6 WINF I	U	(35.1)	(31.2)	(9.5)	OD	(44.5)	(36.3)	(9.5)	1030 bar
1/2" MNPT	7	1.38"	1.59"	0.375"	7B	1.75"	1.63"	0.375"	15,000 PSI
1/2 WINF I	,	(35.1)	(40.4)	(9.5)	7.13	(44.5)	(41.4)	(9.5)	1030 bar
3/4" MNPT	55	1.38"	1.62"	0.500"	55B	1.75"	1.65"	0.375"	10,000 PSI
3/4 WINT I	33	(35.1)	(41.1)	(12.7)	ЗЗВ	(44.5)	(41.9)	(9.5)	690 bar
1" MNPT	56	1.50"	1.87"	0.500"	56B	1.75"	1.90"	0.375"	10,000 PSI
1 IVIINT I	30	(38.1)	(47.5)	(12.7)	SUD	(44.5)	(48.3)	(9.5)	690 bar



*CAUTION: The maximum allowable working pressure (MAWP) of the valve shall not exceed the MAWP of the valve series or the selected connection, whichever is less.

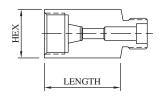




Model No. 5K106

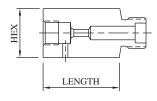
FEMALE SINGLE-FERRULE TUBE

	F	or Side (Connectio	ons	Fo	tion			
Connection	Suffix	Hex	Length	Port	Suffix	Hex	Length	Port	MAWP*
1/4" SL/P	13	1.38"	0.64"	0.187"	13B	1.75"	0.66"	0.187"	11,500 PSI
1/4 SL/F	13	(35.1)	(16.3)	(4.7)	130	(44.5)	(16.8)	(4.7)	790 bar
3/8" SL/P	14	1.38"	0.75"	0.312"	14B	1.75"	0.75"	0.312"	7,500 PSI
3/8 SL/P	14	(35.1)	(19.1)	(7.9)	14D	(44.5)	(19.1)	(7.9)	520 bar
1/2" L/P	15	1.38"	1.06"	0.437"	15B	1.75"	1.06"	0.375"	5,500 PSI
1/2 L/F	15	(35.1)	(26.9)	(11.1)	150	(44.5)	(26.9)	(9.5)	380 bar



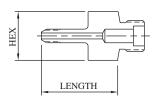
FEMALE M/P CONED AND THREADED TUBE

	F	or Side (Connectio	ns	Fo	tion			
Connection	Suffix	Hex	Length	Port	Suffix	Hex	Length	Port	MAWP*
1/4" M/P	16	1.38"	0.65"	0.109"	16B	1.75"	1.11"	0.109"	20,000 PSI
1/4 IVI/F	10	(35.1)	(16.5)	(2.8)	10D	(44.5)	(28.2)	(2.8)	1380 bar
3/8" M/P	17	1.38"	1.06"	0.203"	17B	1.75"	1.06"	0.203"	20,000 PSI
3/6 IVI/F	17	(35.1)	(26.9)	(5.2)	1/D	(44.5)	(26.9)	(5.2)	1380 bar
9/16" M/P	18	1.38"	1.31"	0.312"	18B	1.75"	1.06"	0.312"	20,000 PSI
9/10 WI/F	10	(35.1)	(33.3)	(7.9)	10D	(44.5)	(26.9)	(7.9)	1380 bar
3/4" M/P	32	1.38"	1.52"	0.437"	32B	1.75"	1.18"	0.375"	20,000 PSI
3/4 IVI/F	32	(35.1)	(38.6)	(11.1)	32 D	(44.5)	(30.0)	(9.5)	1380 bar
1" M/P	43	1.75"	1.91"	0.500"	43B	1.75"	1.99"	0.375"	20,000 PSI
1 IVI/P	43	(44.5)	(48.5)	(12.7)	43D	(44.5)	(50.5)	(9.5)	1380 bar



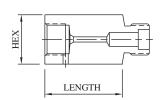
MALE M/P CONED AND THREADED TUBE

	I	For Side (Connection	ns	F	ion			
Connection	Suffix	Hex	Length	Port	Suffix	Hex	Length	Port	MAWP*
1/4" M/P	8	1.38"	1.91"	0.109"	8B	1.75"	1.93"	0.109"	20,000 PSI
1/4 IVI/F	0	(35.1)	(48.5)	(2.8)	ов	(44.5)	(49.0)	(2.8)	1380 bar
3/8" M/P	10	1.38"	1.87"	0.203"	10B	1.75"	2.17"	0.203"	20,000 PSI
3/6 IVI/F	10	(35.1)	(47.5)	(5.2)	100	(44.5)	(55.1)	(5.2)	1380 bar
9/16" M/P	11	1.38"	3.21"	0.312"	11B	1.75"	2.18"	0.312"	20,000 PSI
9/10 IVI/F	11	(35.1)	(81.5)	(7.9)	1110	(44.5)	(55.4)	(7.9)	1380 bar
3/4" M/P	37	1.38"	3.54"	0.437"	37B	1.75"	5.06"	0.437"	20,000 PSI
3/4 IVI/F	31	(35.1)	(89.9)	(11.1)	3/15	(44.5)	(128.5)	(11.1)	1380 bar
1" M/P	49	1.38"	3.20"	0.500"	49B	1.75"	3.25"	0.500"	20,000 PSI
1 1/1/1	77	(35.1)	(81.3)	(12.7)	7/D	(44.5)	(82.6)	(12.7)	1380 bar



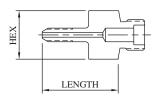
FEMALE H/P CONED AND THREADED TUBE

	For Side Connections				For Bottom Connection				ľ
Connection	Suffix	Hex	Length	Port	Suffix	Hex	Length	Port	MAWP*
1/4" H/P	23	1.38"	0.58"	0.093"	23B	1.75"	0.60"	0.093"	20,000 PSI
		(35.1)	(14.7)	(2.4)		(44.5)	(15.2)	(2.4)	1380 bar
3/8" H/P	24	1.38"	0.89"	0.125"	24B	1.75"	0.91"	0.125"	20,000 PSI
		(35.1)	(22.6)	(3.2)		(44.5)	(23.1)	(3.2)	1380 bar
9/16" H/P	25	1.50"	0.98"	0.187"	25B	1.75"	1.02"	0.187"	20,000 PSI
		(38.1)	(24.9)	(4.7)		(44.5)	(25.9)	(4.7)	1380 bar



MALE H/P CONED AND THREADED TUBE

	For Side Connections				For Bottom Connection				
Connection	Suffix	Hex	Length	Port	Suffix	Hex	Length	Port	MAWP*
1/4" H/P	9	1.38"	2.16"	0.083"	9B	1.75"	2.19"	0.083"	20,000 PSI
		(35.1)	(54.9)	(2.1)		(44.5)	(55.6)	(2.1)	1380 bar
3/8" H/P	30	1.38"	2.40"	0.125"	30B	1.75"	2.42"	0.125"	20,000 PSI
		(35.1)	(61.0)	(3.2)		(44.5)	(61.5)	(3.2)	1380 bar
9/16" H/P	42	1.38"	2.89"	0.187"	42B	1.75"	2.92"	0.187"	20,000 PSI
		(35.1)	(73.4)	(4.7)		(44.5)	(74.2)	(4.7)	1380 bar



*CAUTION: The maximum allowable working pressure (MAWP) of the valve shall not exceed the MAWP of the valve series or the selected connection, whichever is less.



