

PNEUMATICS & FITTINGS

PNEUMATIC GLOBE VALVE ACTUATORS MP953 SERIES



Honeywell

DESCRIPTION

The **Honeywell MP953 Series** pneumatic globe valve actuators operate Honeywell V5011, V5013 (threaded) and VGF (flanged) Series valves to provide proportional control of steam or hot water or cold water in HVAC systems.

FEATURES

- *Rolling diaphragm for long life and low hysteresis*
- *Easily attached to valve*
- *May be installed after piping valve*
- *Slide lock feature permits simple engagement to stem*
- *Direct or reverse-action control*
- *Models available with pilot positioner*



MP953C1000



MP953F1101

INDIVIDUAL SPECIFICATIONS					
Model	Action	Positioner	Diaphragm	Stroke	Spring Range
MP953C1000	Direct acting, normally stem up	No	5" (13 cm) diameter, 11 sq. in. (28 sq. cm) effective area	3/4" (1.9 cm)	2-7 psi
MP953C1018					8-12 psi
MP953C1026					4-11 psi
MP953C1067					2-7 psi
MP953C1075					8-12 psi
MP953C1083			4-11 psi		
MP953C1471			13" (33 cm) diameter, 99 sq. in. (251 sq. cm) effective area	1-1/2" (3.8 cm)	2-7 psi
MP953C1489			4-11 psi		
MP953C1547			8" (20 cm) diameter, 33 sq. in. (84 sq. cm) effective area	1-1/2" (3.8 cm)	3-15 psi
MP953C1554			13" (33 cm) diameter, 99 sq. in. (251 sq. cm) effective area	3/4" (1.9 cm)	2-7 psi
MP953C1562			4-11 psi		
MP953D1107	Reverse acting, normally stem down	No	7" (18 cm) diameter, 22 sq. in. (56 sq. cm) effective area	3/4" (1.9 cm)	8-13 psi
MP953D1131					4-11 psi
MP953D1172					3-7 psi
MP953E1301	Direct acting, normally stem up	Yes	5" (13 cm) diameter, 11 sq. in. (28 sq. cm) effective area	3/4" (1.9 cm)	3 psi span
MP953E1319					5 psi span
MP953E1327					10 psi span
MP953E1368					3 psi span
MP953E1376					5 psi span
MP953E1384			10 psi span		
MP953E1400			13" (33 cm) diameter, 99 sq. in. (251 sq. cm) effective area	1-1/2" (3.8 cm)	5 psi span
MP953E1418			10 psi span		
MP953E1443			3/4" (1.9 cm)	10 psi span	
MP953F1093	Reverse acting, normally stem down	Yes	7" (18 cm) diameter, 22 sq. in. (56 sq. cm) effective area	3/4" (1.9 cm)	3 psi span
MP953F1101					5 psi span
MP953F1119					10 psi span



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SPECIFICATIONS

Operating Temperature

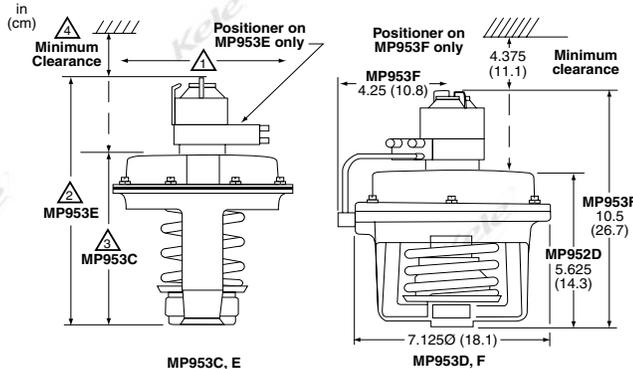
MP953C/E	160°F (71°C) maximum diaphragm temperature
MP953D/F	248°F (120°C) maximum diaphragm temperature

Maximum Pressure Weight

25 psi (172 kPa)

MP953C - 5"	2.0 lb (0.9 Kg)
MP953C - 8"	6.7 lb (3.0 Kg)
MP953C - 13"	22.4 lb (10.2 Kg)
MP953D - 7"	5.2 lb (2.4 Kg)
MP953E - 5"	3.7 lb (1.7 Kg)
MP953E - 8"	8.6 lb (3.9 Kg)
MP953E - 13"	24.4 lb (11.1 Kg)
MP953F - 7"	8.0 lb (3.6 Kg)
Warranty	1 year

DIMENSIONS



Operator size nominal dia	1	2	3	4
5-inch	5.125 (13.0)	9.25 (23.5)	4.625 (11.7)	4.375 (11.1)
8-inch	8.25 (21.0)	11.125 (28.3)	6.5 (16.5)	5.375 (13.7)
13-inch	13.5 (34.3)	18.125 (46.0)	10.0 (25.4)	7.6875 (19.5)

(7-inch shown in diagram)

ORDERING INFORMATION

MODEL	DESCRIPTION
MP953C1000	2-7 psi spring range, 5" diameter, 3/4" stroke, for 1/2" to 2" valves, normally stem up
MP953C1018	8-12 psi spring range, 5" diameter, 3/4" stroke, for 1/2" to 2" valves, normally stem up
MP953C1026	4-11 psi spring range, 5" diameter, 3/4" stroke, for 1/2" to 2" valves, normally stem up
MP953C1067	2-7 psi spring range, 8" diameter, 3/4" stroke, w/stem ext., for 3/4" to 3" valves, normally stem up
MP953C1075	8-12 psi spring range, 8" diameter, 3/4" stroke, w/stem ext., for 3/4" to 3" valves, normally stem up
MP953C1083	4-11 psi spring range, 8" diameter, 3/4" stroke, w/stem ext., for 3/4" to 3" valves, normally stem up
MP953C1471	2-7 psi spring range, 13" diameter, 1-1/2" travel w/stem ext., for 4" to 6" valves, normally stem up
MP953C1489	4-11 psi spring range, 13" diameter, 1-1/2" stroke, w/stem ext., for 4" to 6" valves, normally stem up
MP953C1547	3-15 psi spring range, 8" diameter, 1-1/2" travel, w/stem ext., for 4" to 6" valves, normally stem up
MP953C1554	2-7 psi spring range, 13" diameter, 3/4" stroke, w/stem ext., for 2-1/2" and 3" valves, normally stem up
MP953C1562	4-11 psi spring range, 13" diameter, 3/4" stroke, w/stem ext., for 2-1/2" and 3" valves, normally stem up
MP953D1107	8-13 psi spring range, 7" diameter, 3/4" stroke, for 1/2" to 3" valves, normally stem down
MP953D1131	4-11 psi spring range, 7" diameter, 3/4" stroke, for 1/2" to 3" valves, normally stem down
MP953D1172	3-7 psi spring range, 7" diameter, 3/4" stroke, for 1/2" to 3" valves, normally stem down
MP953E1301	3 psi spring range, 5" diameter, 3/4 stroke, with positioner, for 1/2" to 2" valves, normally stem up
MP953E1319	5 psi spring range, 5" diameter, 3/4 stroke, with positioner, for 1/2" to 2" valves, normally stem up
MP953E1327	10 psi spring range, 5" diameter, 3/4 stroke, with positioner, for 1/2" to 2" valves, normally stem up
MP953E1368	3 psi spring range, 8" diameter, 3/4 stroke, w/stem ext., with positioner, for 3/4" to 3" valves, normally stem up
MP953E1376	5 psi spring range, 8 diameter, 3/4 stroke, with positioner, for 3/4" to 3" valves, normally stem up
MP953E1384	10 psi spring range, 8 diameter, 3/4 stroke, with positioner, for 3/4" to 3" valves, normally stem up
MP953E1400	5 psi spring range, 13 diameter, 1-1/2 stroke, with positioner, for 4" to 6" valves, normally stem up
MP953E1418	10 psi spring range, 13" diameter, 1-1/2 stroke, w/stem ext., with positioner, for 4" to 6" valves, normally stem up
MP953E1443	10 psi spring range, 13" diameter, 3/4 stroke, with positioner, for 2-1/2" and 3" valves, normally stem up
MP953F1093	3 psi spring range, 7" diameter, 3/4 stroke, with positioner, for 2-1/2" and 3" valves, normally stem down
MP953F1101	5 psi spring range, 7" diameter, 3/4 stroke, with positioner, for 2-1/2" and 3" valves, normally stem down
MP953F1119	10 psi spring range, 7" diameter, 3/4 stroke, with positioner, for 2-1/2" and 3" valves, normally stem down