

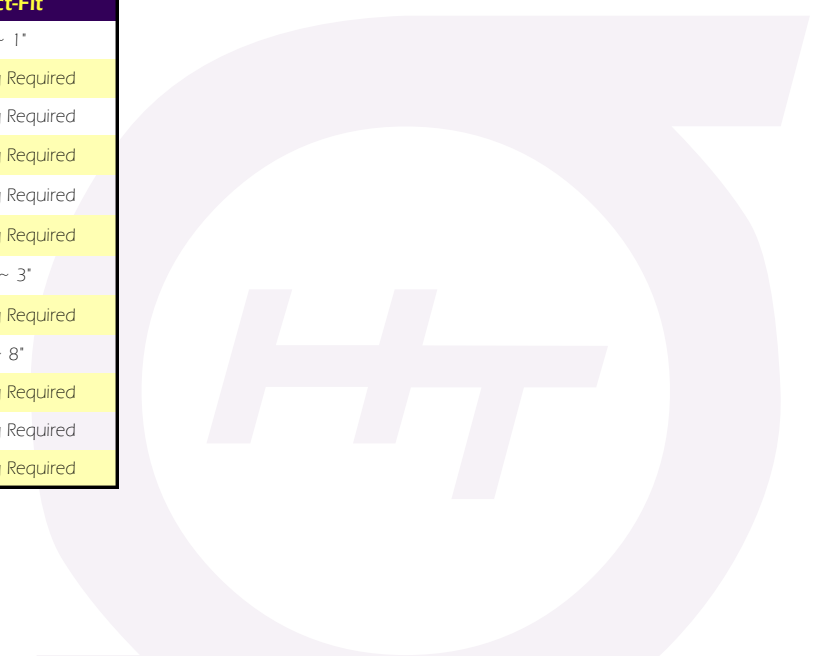
Hytork Sizing for Cosmix Ball Valves

The information contained in this data sheet defines the size, spring rating, and supply air for Hytork Excel Series actuators. All automation packages not assembled and supplied by Fujikin must be equipped with an air regulator set at the proper levels as indicated below. No safety factor should be added to the sizing below, as we have already taken a minimum 25% safety factor into consideration during our selection process.

Having Fujikin valves automated by a third-party automation shop does not affect the corrosion, abrasion, and/or faulty workmanship warranty. However, we cannot warranty, troubleshoot, nor support automation that has not been performed by a Fujikin factory. It is the responsibility of the automation shop to follow the proper sizing guidelines outlined below, and therefore assume all liability and support for the assembly.

Spring-Return Sizing							Double-Acting Sizing		
Valve Size	Preferred Sizing			Alternate Sizing			Valve Size	Actuator Model	Air Supply
	Actuator Model	Spring Rating	Air Supply	Actuator Model	Spring Rating	Regulated Air Supply			
½"	XL 71 SR	S5	50 psig	XL 26 SR	S8	80 psig	½"	XL 26 DA	50
¾"	XL 71 SR	S6	60 psig	—	—	—	¾"	XL 26 DA	65
1"	XL 131 SR	S5	50 psig	XL 71 SR	S8	80 psig	1"	XL 71 DA	50
1½"	XL 186 SR	S5	50 psig	XL 131 SR	S7	70 psig	1½"	XL 71 DA	60
2"	XL 221 SR	S6	60 psig	XL 186 SR	S7	70 psig	2"	XL 186 DA	40
2½"	XL 425 SR	S5	50 psig	XL 280 SR	S6	60 psig	2½"	XL 186 DA	60
3"	XL 680 SR	S4	40 psig	XL 425 SR	S5A	60 psig	3"	XL 221 DA	60
4"	XL 680 SR	S6A	70 psig	XL 1370 SR	S4	40 psig	4"	XL 425 DA	60
6"	XL 2585 SR	S4	60 psig	XL 1370 SR	S8	80 psig	6"	XL 1125 DA	50
8"	XL 4580 SR	S4	40 psig	XL 2585 SR	S5A	60 psig	8"	XL 1370 DA	50

Mechanical Details		
Actuator Size	Mounting Pad Direct-Fit	Coupling Direct-Fit
XL 26	½" ~ 1"	¾" ~ 1"
XL 71	½" ~ 4"	Machining Required
XL 131	½" ~ 4"	Machining Required
XL 186	½" ~ 4"	Machining Required
XL 221	½" ~ 4"	Machining Required
XL 280	½" ~ 4"	Machining Required
XL 425	½" ~ 8"	2½" ~ 3"
XL 680	½" ~ 8"	Machining Required
XL 1125	Drilling Required	4" ~ 8"
XL 1370	Drilling Required	Machining Required
XL 2585	Drilling Required	Machining Required
XL 2580	Drilling Required	Machining Required



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