

V5049A

Flanged Linear Valve PN25/40

플랜지형 리니어 2방밸브 PN25/40



개요

V5049A 플랜지 접속형 밸브는 HVAC 시스템에서 스팀이나, 급탕, 냉온수의 비례제어에 사용되는 밸브입니다.

사용 가능 밸브조작기

- ML6420 / ML6425
- ML7420 / ML7425
- ML6421 / ML7421
- MP953

모델

모델	밸브크기	k_{vs}
V5025A1019	DN15	0.40
V5025A1027	DN15	0.63
V5025A1035	DN15	1.0
V5025A1043	DN15	1.6
V5025A1050	DN15	2.5
V5025A1068	DN15	4.0
V5025A1076	DN20	6.3
V5025A1084	DN25	10.0
V5025A1092	DN32	16.0
V5025A1100	DN40	25.0
V5025A1118	DN50	40.0
V5025A1126	DN65	63.0
V5025A1134	DN80	100.0
V5025A1142	DN100	160.0
V5025A1159	DN125	250.0
V5025A1167	DN150	360.0

특성 및 규격

Action | Stem down to close

Nominal pressure rating | PN25/40

Flow characteristic | Equal percentage

Rangeability | 50 : 1

Leakage rate |

- $\leq 0.05\%$ of k_{vs} up to DN50
- $\leq 0.1\%$ of k_{vs} for DN65 to DN100

Stroke | 20 mm up to DN65, 38 mm for DN80 to DN100

Valve body |

- End connections : Flanged per ISO 7005-2
- Material : Cast steel (GS-C25)

Trim |

- Seat : Stainless steel, replaceable
- Plug : Stainless steel, skirt-guided
- Stem : Stainless steel

Packing | Spring-loaded PTFE V-rings

Medium temperature and pressure |

- 2 ... 120 °C: max. 4000 kPa
- 120 ... 150 °C: max. 3920 kPa

- 150 ... 200 °C: max. 3800 kPa

- 200 ... 220 °C: max. 3720 kPa

Maximum temperature differential in alternating hot cold water use | 60 K

조작기 |

- Electric Actuators

force	600 N	600 N spring return	1800 N	
model	ML6420A ML7420A	ML6425A,B ML7425A,B	M6421A M7421A	M6421B M7421B
stroke	20 mm			38 mm
size	DN15-65			DN80-100

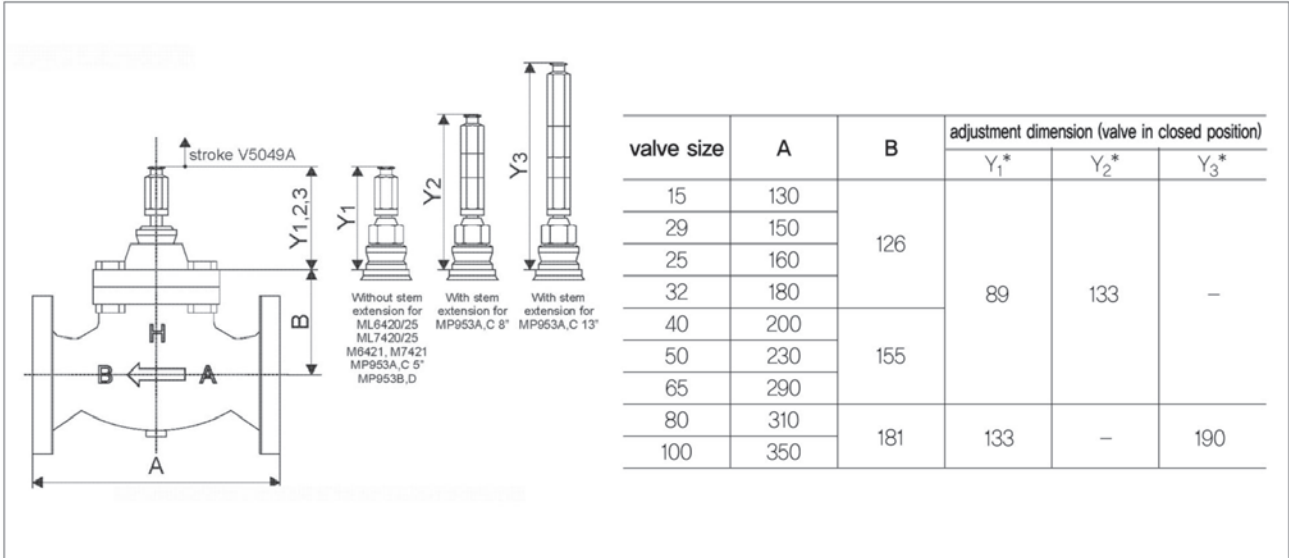
- Pneumatic Actuators

valve size	Pneumatic Actuator		action		positioner
	model	size	direct	reverse	
	MP953A	5", 8"	○	○	yes
	MP953B	7"			
DN 15-65	MP953C	5", 8"	○	○	no
	MP953D	7"			
DN 80-100	MP953A	13"	○	-	yes
	MP953C				no

Repair packing kit

Part No : R 43 176 755 – 004 (DN 15 to 65), R 43 176 755 – 005 (DN 80 to 100)

외형 및 치수



적용 차압 한계 (kpa)

actuator		valve size							
model	force	DN15 KVS 0.25 -1.0	DN15 KVS 2.5 -4.0	DN20/25	DN32	DN40	DN50	DN65	DN80/100
ML6420A, ML6425A,B ML7420A, ML7425A,B	600 N	1600	1000	1000	600	350	200	120	-
M6421A,B, M7421A,B	1800 N	-	2500	2500	2000	1300	750	500	230

actuator MP953	actuator spring range	air pressure in actuator	valve size									
			DN15 KVS 0.25 -1.60	DN15 KVS 2.5 -4.0	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
C 5"	14...48 kPa (2...7 PSI)	115kPa	4000	730	730	730	420	250	120	70	-	-
A,C 5"	27...76 kPa (4...11 PSI)		3200	410	410	410	230	120	50	20	-	-
C 5"	55...83 kPa (8...12 PSI)		2000	220	220	220	110	50	-	-	-	-
D 7"	27...76 kPa (4...11 PSI)	0kPa	4000	570	570	570	330	190	90	40	-	-
B,D 7"	55...90 kPa (8...13 PSI)		4000	1350	1350	1350	800	490	260	160	-	-
C 8"	14...48 kPa (2...7 PSI)	115kPa	4000	2700	2700	2700	1600	1000	570	360	-	-
A,C 8"	27...76 kPa (4...11 PSI)		4000	1500	1500	1500	890	540	300	180	-	-
C 8"	55...83 kPa (8...12 PSI)		4000	1200	1200	1200	700	420	220	130	-	-
C 13"	14...48 kPa (2...7 PSI)		-	-	-	-	-	-	-	-	620	620
A,C 13"	27...76 kPa (4...11 PSI)		-	-	-	-	-	-	-	-	320	320