Control Valves

M4HV Series 5/2 & 5/3 Rotary Hand Lever Valves

The M4HV and M4HVL-Series 4/2 & 4/3 Rotary Hand Lever valves may be used Lubrication free and be panel or surface mounted. Large flow areas minimise pressure loss within the valve.



Symbols

4/2 way

4/3 way with lock



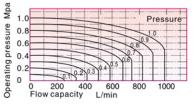
4/3 way Closed center type with lock

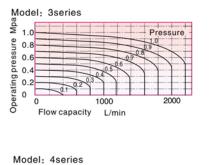
Product Features

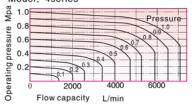
- 1. A Rotary Lever valve with smooth actuation.
- 2. High flow, low pressure loss performance.
- 3. Three versions of 4/3 valves available
- 4. Special manufacturing techniques ensure low start pressure and long service life.
- 5. Maybe used lubrication free.
- 6. The valve range may be panel mounted or surface mounted.

Flow Charts

Model: 2series





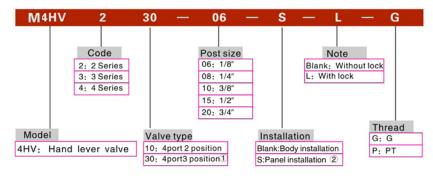


Specification

Model	4HV2□□ -06(L)	4HV2□□ -08(L)	4HV3□□ -08(L)	4HV3□□ -10(L)	4HV4□□ -15(L)	4HV4□□ -20(L)
Fluid	Air (to be filtered by 40µm filter element)					
Operating	Manual control direct acting type I direct acting type					
Port size1	1/8″	1/4″	1/4"	3/8"	1/2″	3/4"
Orifice size mm ² (Cv)	14.0mm ² (Cv=0.78)	16.0mm ² (Cv=0.89)	30.0mm ² (Cv=1.67)	33.0mm ² (Cv=1.83)	88.0mm ² (Cv=4.89)	95.0mm ² (Cv=5.27)
Valve type	4 port 2 position 4 port 3 position					
Lubrication	Not required					
Pressure range	0~1.0MPa(0~145Psi)					
Proof pressure	1.5 MPa(215Psi)					
Temperature °C	-20~70					
Operating angle	90°					

1 G thread and PT thread are available;

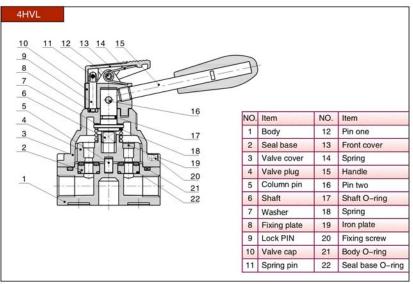
Model/Ordering Codes



①4 port 3 position only has closed center type;

2 The panel installation can be attached with installing nut.

Inner Structure





Jul12/RW/A

Mead Engineering Services Ltd. Unit 9b, Parkland Business Centre, Chartwell Road, Lancing, West Sussex, United Kingdom, BN15 8UE

M4HV Series 5/2 & 5/3 Rotary Hand Lever Valves

The M4HV and M4HVL-Series 4/2 & 4/3 Rotary Hand Lever valves may be used Lubrication free and be panel or surface mounted. Large flow areas minimise pressure loss within the valve.

4HV Series Body installation - ∲H Bt Æ 0 R P P R 15 ш 4-D 2-4 (P Panel installation O R щ 4-D Type\ltem в С D Е G М Ρ A F H J K L N 49 4HV200-06 73 45 1.5 1/8" 11.5 M34 × 1.5 92.5 5.5 62 49 40 3 62 120 4HV20-08 45 1.5 1/4" M34 × 1.5 62 49 40 3 49 62 120 73 11.5 92.5 5.5 4HV3□□-08 88.5 56 1.5 1/4" 13.5 M40×1.5 104 6.5 74 62 51 3 62 74 140 4HV300-10 88.5 56 1.5 3/8" 13.5 M40 × 1.5 104 6.5 74 62 51 3 62 74 140 4HV400-15 110 2 94 160 72 1/2 18 M52 x 1.5 128 6.5 102 89 64 3 81 4HV400-20 110 72 2 3/4" 18 M52 × 1.5 128 6.5 102 89 64 3 81 94 160 4HVL Series Body installation P O R P ш 4-D 2-01 N (P) Panel installation 0 R 11 4-D М P Type\Item A В C D E F G н 1 J κ L N 4HV200-06L 84 45 1.5 1/8" 11.5 M34 × 1.5 92.5 5.5 62 49 40 3 49 62 120 4HV200-08L 84 45 1.5 1/4" 11.5 M34 × 1.5 92.5 5.5 62 49 40 3 49 62 120 4HV300-08L 99 74 140 56 1.5 1/4' 13.5 M40 × 1.5 104 6.5 74 62 51 3 62 4HV30-10L 99 56 1.5 3/8" 13.5 M40 × 1.5 104 6.5 74 62 51 3 62 74 140 4HV400-15L 121 72 2 3 160 1/2" 18 M52 × 1.5 128 6.5 102 89 64 81 94 4HV4 -20L 121 72 2 3/4" 18 M52 × 1.5 128 6.5 102 89 64 3 81 94 160

Dimensions

Mead Engineering Services Ltd. Unit 9b, Parkland Business Centre, Chartwell Road, Lancing, West Sussex, United Kingdom, BN15 8UE Jul12/RW/A

ENGINEERING SERVICES LTD

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