High Pressure Logic Valves
Mechanical and Pilot

Superior performance throughout the full operational range

Features:
- Push Button
- Key Operated
- Lever Operated
- Rotary
- Cam Roller and Plunger
- High Pressure Pilot
Reliability and Innovation in directional control valves

HP LOGIC VALVES - Mechanical, Button Operated

MVP8013/NC/03/S  2 way 2 position push button operated (push to open) panel mountable spring return normally closed poppet type hydraulic control valve, manifold mount. Rated upto 207 bar, upto 5 lpm @10 bar DP.

MVP8115/NQ/03/S  2 way 2 position pull button operated (pull to close) panel mountable spring return normally open poppet type hydraulic control valve. 1/4” NPT in-line connections. Rated 207 bar, 5 lpm @10 bar DP.

FP01/LPB1/M/32/NC/S  3 way 2 position manual push button (latching detent) operated, normally closed, ball seated poppet type hydraulic control valve. Manifold mount, rated 345 bar, 0.5 lpm nominal.

FP01/MV1/M/32/SV/S  3 way 2 position selector manual pull button operated spring return, ball seated poppet type hydraulic control valve. Manifold mount, rated 345 bar, 0.5 lpm nominal.

MVP8103/NQ/05/S  3 way 2 position, pull button operated (pull to close), panel mountable. Spring return, normally open, poppet type hydraulic control valve, 1/4” NPT connections rated 207 bar WP. Flow rate 5 lpm @10 bar DP. Maximum return line pressure allowable when switching to the open position ≈125 bar.

HPMVP8003/NC/05/S  3 way 2 position HP pilot or push button operated (push to open) spring return normally closed poppet type hydraulic control valve, manifold mount. Rated 345 bar, 5 lpm @10 bar DP.

HPMVP8005/104/NC/07/S  3 way 2 position HP pilot (adj) or push button operated (push to open) panel mountable, spring return normally closed poppet type hydraulic control valve, manifold mount. Rated 518 bar, 1 lpm nominal.

FP15/HPMVH1/04/32/S  3 way 2 position HP pilot or push button operated (push to open), spring return normally closed poppet type hydraulic control valve, 1/4” connections. Min valve operating pressure 50 bar, WP 345 bar, 15 lpm @10 bar DP.

MHPVP8003/NQ/05/S  3 way 2 position manually (pull to close) operated, panel mountable, normally open, poppet type hydraulic control valve with high pressure override to open position. Manifold. Rated 345 bar, 5 lpm @10 bar DP, pilot operating pressure range 10 - 345 bar, 1/8 NPT connection.

MPBHPV/HPV8001/05/S  3 way 2 position push/pull double high pressure pilot operated, detent block before bleed hydraulic control valve for bi-directional flow. Rated 345 bar, 20 lpm @10 bar DP, pilot operating pressure range 40 - 207 bar, 1/4 NPT connections.

MPBLPV/LPV8001/05/S  3 way 2 position pull/push double low pressure pilot operated, detent block before bleed hydraulic control valve for bi-directional flow. Rated 345 bar, upto 20 lpm @10 bar DP, pilot operating pressure range 2.5 - 10 bar, 1/4 NPT connections.

Marshalsea 3111/3115 series M055 option  3 way 2 position push/pull (push to close) operated, block before bleed slide type hydraulic control valve for bi-directional flow, P to S, S to T. Mechanical latch in close position. 1/4 connections. Rated 345 bar, upto 20 lpm nominal @10 bar DP. Panel mounting.
Reliability and Innovation in directional control valves

**Bifold Fluidpower Ltd**
Greenside Way, Middleton, Manchester, UK.
tel: +44(0)161 345 4777 fax: +44(0)161 345 4780
sales@bifold-fluidpower.co.uk www.bifold-fluidpower.co.uk

**Marshalsea Hydraulics**
Marshalsea House, Venture Way, Priorswood Ind Est, Taunton, UK.
tel: +44(0)1823 331081 fax: +44(0)1823 323382
info@marshalsea.co.uk www.marshalsea.co.uk

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**HP LOGIC VALVES, Mechanical, Rotary**

**MVRP8005/NC/05/S**
3 way or 2 way, 2 position manual 90 degree rotary turn operated, detented, panel mountable, spring return, poppet type hydraulic control valve. Manifold mount. Rated 345 bar WP. Flow rate 1 lpm nominal.

**MVRP8103/NC/05/S**
3 way 2 position manual 90 degree rotary turn operated, detented, panel mountable, spring return, poppet type hydraulic control valve suitable for uni-directional flow only. 1/4" connections, rated upto 345 bar WP. Flow rate 5 lpm @ 10 bar DP.

**MVRP8023/05/S**
4 way 2 position manual rotary 90 degree rotary turn poppet type hydraulic control valve. Cetop 3 connection. Flow rate 5 lpm @ 10 bar DP.

**MVRP8033/05/S**
4 way 3 position manual rotary 90 degree turn poppet type hydraulic control valve. 1/4" NPT connections. Panel mountable. Flow rate upto 5 lpm @ 10 bar DP.

**Marshalsea**
See drawing 14670-02/03

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**HP LOGIC VALVES, Mechanical, Key Operated**

**KOV8005/NC/10/S**
3 way 2 position 90 degree rotary turn, removable key operated, detented, normally closed poppet type hydraulic control valve. Manifold mount, rated 690 bar WP. Flow rate 1 lpm nominal.

**KOV8001/NQ/05/S**
3 way 2 position 90 degree rotary turn, removable key operated, detented, normally closed slide type hydraulic control valve. 3/4" connections, rated 345 bar WP. Flow rate upto 20 lpm @ 10 bar DP.

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**HP LOGIC VALVES, Mechanical, CAM Roller and Plunger**

**COV(A)8002/NC/05/S-R**
2 way 2 position roller cam operated, spring return, normally closed, slide type hydraulic control valve. 1/4" connections, rated upto 345 bar WP. Flow rate upto 20 lpm @ 10 bar DP.
Reliability and Innovation in directional control valves

COV8002/NO/05/S-R 2 way 2 position roller cam operated, spring return, normally open, slide type hydraulic control valve. 1/4" connections, rated upto 345 bar WP. Flow rate upto 20 lpm @10 bar DP.

COVP8005/NC/05/S-P M034 3 way 2 position plunger cam operated, spring return, normally closed, poppet type hydraulic control valve. Manifold mount, rated 345 bar WP. Flow rate 5 lpm nominal.

COV8003/NC/05/S-R M034 3 way 2 position roller cam operated, spring return, normally closed, poppet type hydraulic control valve. Manifold mount rated 345 bar WP. Flow rate 5 lpm @10 bar DP.

COV(A)8001/NO/05/ S-R 3 way 2 position roller cam operated, spring return, normally open, slide type hydraulic control valve. 1/4" connections, rated upto 345 bar WP. Flow rate 20 lpm @10 bar DP.

COV(A)/COV(A)8008 /05/S/R 5 way 2 position dual roller cam operated slide type hydraulic control valve. 3/8" connections, rated 345 bar WP. Flow rate 23 lpm @10 bar DP.

LPV/LPV8002/05/S 2 way 2 position low pressure pilot operated, detented, bi-stable, slide type, hydraulic control valve for bi-directional flow ‘P’ to ‘S’, ‘S’ to ‘P’. 1/4" connections, rated 345 bar WP. Flow rate 20 lpm @10 bar DP. Pilot section 1/4 NPT connection. Pilot operating pressure range 4 to 10 bar.

HPVP8103/NC/05/S -ML(X) 3 way 2 position high pressure pilot operated, spring return, normally closed poppet type hydraulic control valve suitable for uni-directional flow. 1/4" in-line connections, rated 207 bar WP. Flow rate 5 lpm @10 bar DP. Pilot section 1/8 NPT connection. Various pilot operating pressure ranges.

HPVP8103/NC/05/S -ML(X) 3 way 2 position high pressure pilot operated, spring return, normally closed poppet type hydraulic control valve suitable for uni-directional flow. 1/4" in-line connections, rated 345 bar WP. Flow rate 5 lpm @10 bar DP. Manual reset. Pilot section 1/8 NPT connection. Various pilot operating pressure ranges.

HPVP8103/NC/05/S(X) 3 way 2 position high pressure pilot operated, spring return, normally closed poppet type hydraulic control valve suitable for uni-directional flow. 1/4" in-line connections, rated 345 bar WP. Flow rate 5 lpm @10 bar DP. Pilot section 1/8 NPT connection. Various pilot operating pressure ranges.

COV8002/NO/05/S-R 2 way 2 position roller cam operated, spring return, normally open, slide type hydraulic control valve. 1/4" connections, rated upto 345 bar WP. Flow rate upto 20 lpm @10 bar DP.

LPV/LPV8001/05/S 3 way 2 position low pressure pilot operated, bi-stable, block before bleed slide type, hydraulic control valve for bi-directional flow ‘P’ to ‘S’, ‘S’ to ‘P’, 1/4" connections, rated upto 345 bar WP. Flow rate upto 20 lpm @10 bar DP. Pilot section 1/4 NPT connection. Pilot operating pressure range 4 to 10 bar.
Reliability and Innovation in directional control valves

DHPV8100/05/NC/05/X  3 way 2 position dual high pressure pilot operated adjustable spring return, normally closed, block before bleed slide type, hydraulic control valve for uni-directional flow only. 1/4"NPT connections, rated 345 bar WP. Flow rate 20 lpm @10 bar DP. Pilot section 1/8 NPT connection.

HPV/HPV5101/05/S  3 way 2 position high pressure pilot operated, bi-stable, block before bleed slide type, hydraulic control valve for bi-directional flow. Manifold mount. Rated 345 bar WP. Flow rate upto 23 lpm @10 bar DP. Pilot section 1/8 NPT connection. Pilot operating pressure range 25 to 345 bar.

HPV/HPV8001/05/S  3 way 2 position high pressure pilot operated, bi-stable, block before bleed slide type, hydraulic control valve for bi-directional flow. ‘P’ to ‘S’, ‘S’ to ‘P’. 1/4"NPT connections, rated 345 bar WP. Flow rate 20 lpm @10 bar DP. Pilot section 1/8 NPT connection. Pilot operating pressure range 25 to 345 bar.

LPV/LPV8008/05/S  5 way 2 position low pressure pilot operated, detented, bi-stable, block before bleed slide type, hydraulic control valve for uni-directional flow. 3/8" connections, rated 345 bar WP. Flow rate 23 lpm @10 bar DP. Pilot section 1/4 NPT connection. Pilot operating pressure range 3 to 10 bar.

SELECTOR VALVE

LPV6000/10/S  3 way 2 position low pressure pilot operated, spring return, pressure selector, block before bleed type hydraulic control valve. Rated 690 bar WP. 20 lpm @10 bar DP. Pilot section 1/8 connection. Operating pressure range 52 - 690 bar.

HPV6000/10/S  3 way 2 position high pressure pilot operated, spring return, pressure selector, block before bleed type hydraulic control valve. Rated 690 bar WP. 20 lpm @10 bar DP. Pilot section 1/8 connection. Operating pressure range 52 - 690 bar.

DIVERTER VALVE

LPV7000/10/S  3 way 2 position low pressure pilot operated, spring return, pressure diverter, block before bleed type hydraulic control valve. Rated 690 bar WP. 20 lpm @10 bar DP.

HP LOGIC VALVES, Mechanical, Lever

FP15/M/04/32/S  3 way 2 position lever operated, spring return, normally closed, block before bleed poppet type hydraulic control valve. 1/4NPT connections. Rated 207 bar WP, 15 lpm @10 bar DP.

FP15/M/M/32/S-NO  3 way 2 position lever operated, spring return, normally open, ball seated type hydraulic control valve, manifold mount connections. Rated 207 bar WP, 15 lpm @10 bar DP.

FP15/167/H2/04/32/S-M  3 way 2 position lever operated manual override, high pressure pilot operated, spring return, normally closed, block before bleed type hydraulic control valve. 1/4NPT connections. Rated 207 bar WP, 15 lpm @10 bar DP. Pilot operating range - refer to literature.
Reliability and Innovation in directional control valves

**FP15/159/S1/32/S-xxVxC/9xxxx/EP-M**

3 way 2 position 2 stage solenoid operated spring return normally closed, block before bleed seated type hydraulic control valve. 1/4 NPT connections. Externally connected pilot stage supply 1/8 NPT connection. Internally connected pilot stage return. Rated 207 bar WP, 15 lpm @10 bar DP. Fitted with lever operated spring return manual override to mainstage. Various solenoid operator.

**MHPV8001/NC/05/S**

3 way 2 position, manual high pressure pilot operated with manual lever override. Spring return before bleed hydraulic control valve for uni-directional flow only. 1/4” connections. Rated 345 bar WP. Flow rate 23 lpm @10 bar DP. Pilot connection 1/8NPT. Operating pressure range 20 to 165 bar.

**M(LR)VP8005/NC/10/S**

3 way 2 position, manual removable lever operator. Spring return before bleed hydraulic control valve. Manifold mount. Rated 690 bar WP. Flow rate 1 lpm nominal @10 bar DP.

**40-091-01-31XX-X**

Brisco slide valve, normally closed / open, manifold mounting, lever-operated, 3 port, 3 position valves with detent action. Rated 690 bar WP, 27 lpm @10 bar DP. Spring return option.

**MV8000/NO/05/S**

3 way 2 position lever operated, spring return, block before bleed type hydraulic control valve, suitable for bi-directional flow “P” to “S”, “S” to “P”. 1/4NPT connections. Rated 345 bar WP, 20 lpm @10 bar DP.

**MLPV8000/NC/05/S**

3 way 2 position lever operated, spring return, block before bleed slide type hydraulic control valve. 1/4 NPT connections. Rated 345 bar WP, Pilot port 1/4 NPT.