OBSOLETE DOCUMENT Technical Reference Only

5/2 and 5/3 Spool Valves Pressure Actuated G½

- **Compact, attractive styling**
- **High flow**
- **Steel reinforced spool seals**
- **In-line ports**

Technical Data

Medium:
Compressed air, filtered lubricated and non-lubricated

Operation:
Spool valve, directly actuated

Mounting:
Through holes in valve body

Port Size:
G½

Operating Pressure:
1 - 10 bar
0 - 930 mbar vacuum

Flow (to CETOP RP50P):
'C' - Conductance $dm^3/s/bar$ 19,46 M/20154/3
'C' - Conductance $dm^3/s/bar$ 14,37 M/20154/33, M/20154/40
Critical pressure ratio 0,381 M/20154/3
Critical pressure ratio 0,406 M/20154/33
Critical pressure ratio 0,461 M/20154/40
Cv 5,09 M/20154/3
Cv 3,73 M/20154/33
Cv 3,76 M/20154/40

Operating Temperature:
-20˚C* to +80˚C

*Consult our Technical Service for use below +2˚C

Materials

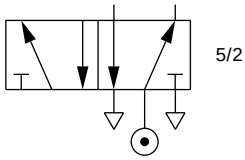
Aluminium valve body and spool, nitrile rubber seals.

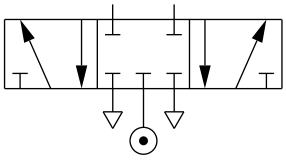
Ordering Information

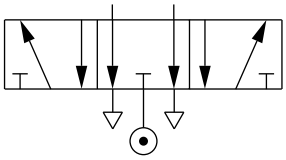
To order, quote model number from table overleaf, e.g. M/20154/33 for the Pressure Priority Set, Pressure Reset model.

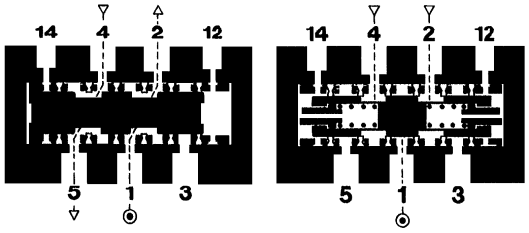
Alternative Models

Other operator types for the M/20154 range of valves are also available:
Section 5.4. - Solenoid actuated models

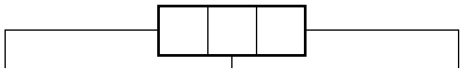








General Information

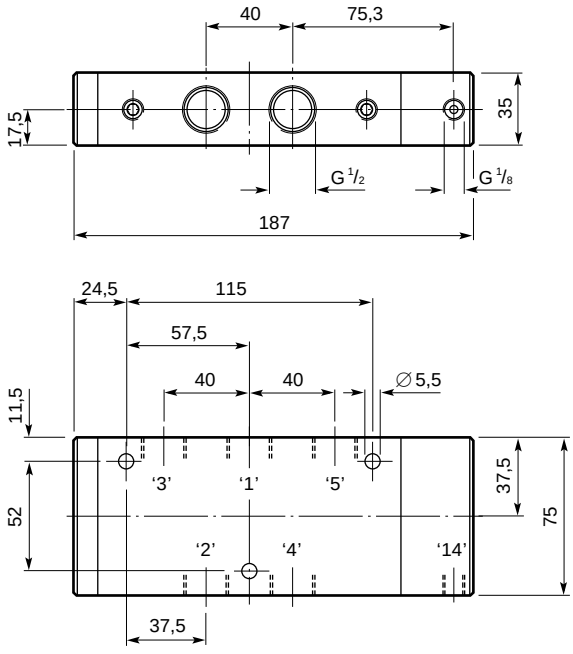


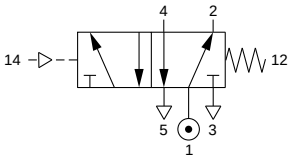
Model	Operator	Mid-position	Return	Weight (kg)	Spares kit
M/20154/40	Pressure	–	Spring	1,15	QM/20152/00
M/20154/3	Pressure	–	Pressure	1,01	QM/20152/00
M/20154/3	Pressure Priority	–	Pressure	1,01	QM/20152/00
M/20154/63	Pressure	Spring	Pressure	1,01	QM/20152/00
M/20254/63	Pressure	Spring	Pressure	1,01	QM/20152/00

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where *pressures* and *temperatures* can exceed those listed under **'Technical Data'**.
Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN MARTONAIR.
Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

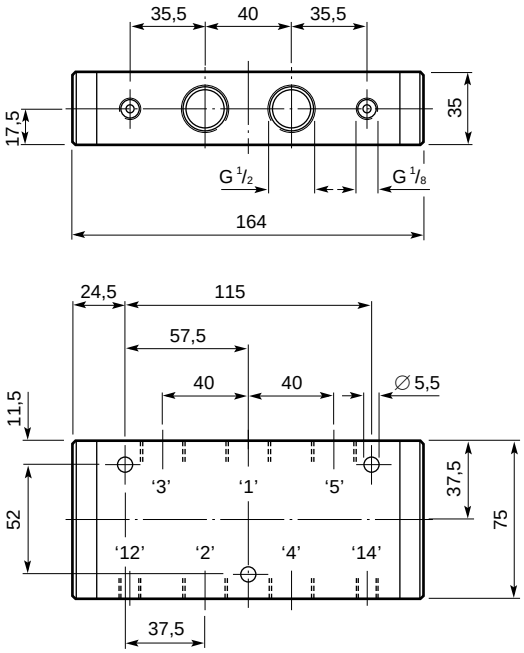
Pressure Actuated, Spring Return

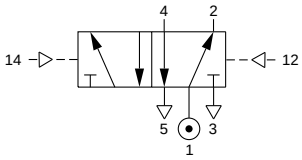




Model Number: **M/20154/40**
Type: 5/2
Pilot Pressure: 1,8 + (0,1 x supply pressure) bar

Pressure Set-reset





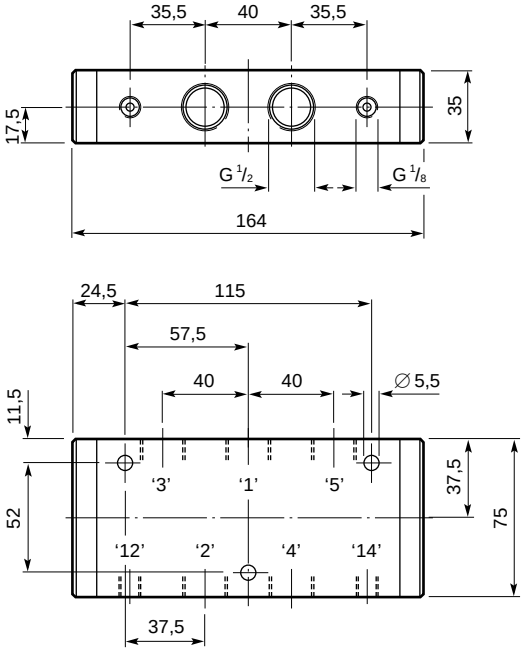
Model Number: **M/20154/3**

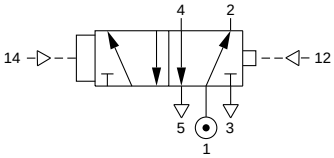
Type: 5/2

Pilot Pressure: 1,5 + (0,1 x supply pressure) bar

Valve should be mounted with the axis of the spool horizontal

Pressure Priority Set, Pressure Reset





Model Number: **M/20154/33**

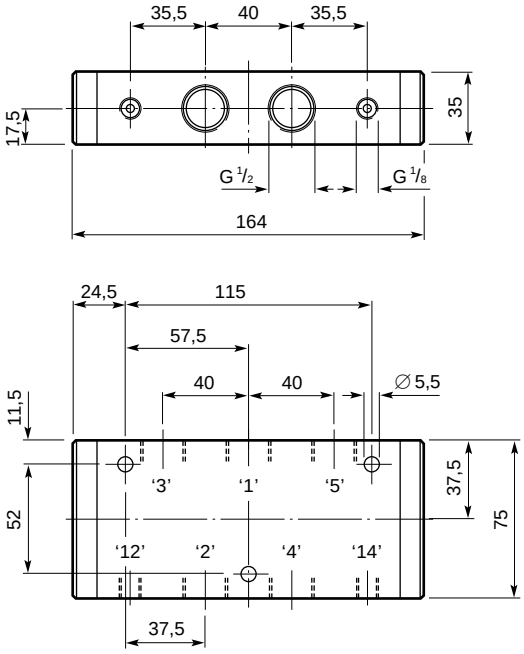
Type: 5/2

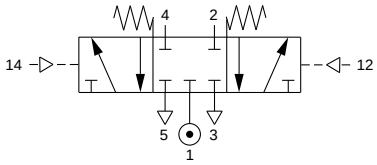
Pilot Pressure: '14' end, 1,5 + (0,05 x supply pressure) bar, '12' at zero
'12' end, 2,2 + (0,1 x supply pressure) bar, '14' at zero

If air is permanently applied to '12' then pilot pressure to '14' is 1,5 + (0,7 x supply pressure) bar

Valve should be mounted with the axis of the spool horizontal

Spring Centralised, Pressure Actuated

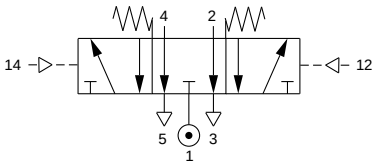




Model Number: **M/20154/63**

Type: 5/3 Fully sealed mid-position

Pilot Pressure: 2,5 + (0,05 x supply pressure) bar



Model Number: **M/20254/63**

Type: 5/3 Supply sealed mid-position

Pilot Pressure: 2,5 + (0,05 x supply pressure) bar