Specifications
54 Series Valve

Fluids:
Compressed Air or Inert Gases

Lubrication:
Not required. If used, select a medium aniline point lubricant (between 180°F and 210°F)

Safe Operating Temperature Range:
0°F to 120°F (-18°C to 50°C)

Pressure Range:
Main Valve: Vacuum to 120 psi (External Pilot)
20 to 120 psi (Internal Pilot)

External Pilot: 20 to 120 psi

Single Remote Air: Same as Above
35 to 60 psi (Remote Pilot Single - This signal is independant of the main valve or pilot valve pressure)

Double Remote Air: 20 to 120 psi

Note: External pilot or double remote signal pressure must be equal to or greater than main valve pressure

Flow:
Up to 4.1 Cv

Electrical:
DC 12/24 Volt 1.0w to 5.4w (Higher Wattages Available)
AC 24, 120, 220, 240 VAC
### How To Order 54 Series Valve

**54A - X X - X X X - XX - X XX X - X XX**

<table>
<thead>
<tr>
<th>Function</th>
<th>Body Type</th>
<th>Port Size and Thread Type</th>
<th>Base Type and Configuration</th>
<th>Base Type</th>
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<tr>
<td>0</td>
<td>Base Only</td>
<td>Base Mount Valve</td>
<td>0</td>
<td>Base Mount Valve</td>
</tr>
<tr>
<td>A</td>
<td>Sgl. Oper. Normally Closed Non Plug-In</td>
<td>Base Mount Body - Int. Pilot</td>
<td>A</td>
<td>Non Plug-In Base</td>
</tr>
</tbody>
</table>

*Must use “DU” Pilot Body - Main Exhaust Cannot Be Restricted*
How To Order 4 Way Pilot Valve

- RA11 (Single Remote Air Pilot Operator)

XX - DXX X - X XX

Pilot Style
DM Muffed Exhaust
DP Piped Exhaust
DU Universal Pilot, Pilot Exhaust Out Main Exhaust

Voltage
JA 120/60, 110/50 (2.9w)
JB 240/60, 220/50 (2.9w)
JC 24/60, 24/50 (3.7w)
JD 100/50/60, 110/60 (3.9w)
JE 220/60 (3.4w)
JF 240/50 (2.8w)
JG 200/60, 200/50 (3.9w)
DA 24 VDC (5.4w)
DB 12 VDC (5.4w)
DC 12 VDC (7.5w)
DD 24 VDC (7.3w)
DE* 12 VDC (12.7w)
DF* 24 VDC (12.7w)
FA 12 VDC (1.8w)
FB 24 VDC (1.8w)
FE 12 VDC (2.4w)
FF 24 VDC (2.4w)

Lead Wire Length
Plug-In Valve/Base
J Plug-In
Non Plug-In Valve/Base
A 18"
B 24"
C 36"
D 48"
E 72"
F 96"
J** 6"

Manual Operator
0 No Manual Operator
1 Recessed Non Locking Operator
2 Recessed Locking Operator
3 Extended Non Locking Operator
4 Extended Locking Operator

Lead wire length for external plug-in connectors must be "J"

Electrical Connectors
Non Plug-In Valve/Base
BA Grommet
BK Grommet w/ Diode
BL Grommet w/ M.O.V.
CA Conduit 1/2" NPS
CM Metal Conduit 1/2" NPS
CN Metal Conduit w/ Grd. 1/2" NPS
FP Plug-In
FN Plug-In w/ Diode
FM Plug-In

Plug-In Valve/Base

External Plug-In Valve

JB Rect. Plug-In
JD Rect. Plug-In w/ Light
JM Rect. Male Only
JA Square Plug-In
JC Square Plug-In w/ Light
JJ Square Male Only
KA Mini Plug-In
KB* Mini Plug-In w/ Diode
KC* Mini Plug-In w/ M.O.V.
KD* Mini Plug-In w/ Light
KE* Mini Plug-In w/ Light & Diode
KF* Mini Plug-In w/ Light & M.O.V.
KG* Mini Plug-In w/ LED and Diode
KJ Mini Plug-In Male Only
KK Mini Plug-In Male Only w/ Diode
KL Mini Plug-In Male Only w/ M.O.V.

* M.O.V., Diode & Light are in female connector in these options
How To Order 54 Series Double Remote Air

54A - X X - X X X - RA

Function
0 Base Only
E Dbl. Oper. Normally Closed
F Dbl. Oper. Normally Open

Body Type
0 Base Only
D Remote Air

Port Size and Thread Type
0 Valve Only
A 3/8" NPTF
B 1/2" NPTF
C 3/4" NPTF
D 3/8" BSPPL
E 1/2" BSPPL
F 3/4" BSPPL
G 3/8" BSPT
H 1/2" BSPT
J 3/4" BSPT

Base Type and Configuration
0 Valve Only
1 Indiv. Base Side Ports
2 Indiv. Base Bottom Cyl. Port Only (No side Cyl. Port)

Base Type
0 Valve Only
C Remote Air
54 SERIES NON PLUG-IN BAR MANIFOLD (EBM TYPE)
54 SERIES PLUG-IN BAR MANIFOLD (ECD TYPE)