KEY EXPLANATION:

1. Bottom: System Port (1)
2. Second from bottom: System Port (2)
3. Third from bottom: System Port (3)
4. Spool Cage (Heat Treated Stainless)
5. Cartridge Body, Lower: SST, 7/8”-14 Thread
6. Filter, 10 Micron Sintered Bronze, Optional SST.
7. Vents to atmosphere (2 Places 180° apart)
8. Filter Retainer, Aluminum, Optional SST.
9. Spool return Spring, Stainless Steel, 10 PSI.
10. O-Ring Seal, Buna N (Also see Options)
11. Piston return Spring, Stainless Steel, 96 PSI.
12. Piston, Stainless Steel
13. Cartridge Body, Upper, Stainless Steel
14. 1” Wrench Flats
15. Pilot Port, See Ordering Information for choices.
16. O-Ring Seal, Buna N (Also see Options)
17. Back Up Ring, Teflon
18. Cylinder Sleeve, Stainless Steel
19. O-Ring Seal, Buna N (Also see Options)
20. Back Up Ring, Teflon
22. Spool Connector Linkage (Stainless Steel)
23. O-Ring Seal, Teflon
24. O-Ring Seal, (Buna-N)
25. Retaining Ring, Carbon and Stainless, Optional SST.
26. O-Ring Seal, Teflon
27. O-Ring Seal, Buna N (Also see Options)
28. Back Up Rings, Teflon (two used)
29. O-Ring Seal, Buna N (Also see Options)
30. Back Up Rings, Teflon (two used)
31. O-Ring Seal, Buna N (Also see Options)

39:1 PILOT RATIO:

Pilot Ratio applies to the #1 Port only.
The #2 and 3 ports are balanced.
To determine the pilot pressure required, divide the maximum pressure at the #1 Port by the ratio of 39 and add the spring PSI of 100.
This represents the theoretical minimum pilot pressure in PSI required to shift the valve.
Considering variations in springs and hysteresis it is advisable to add at least 50 PSI to the calculated minimum theoretical pilot pressure to assure full valve shift.

PILOT PORT OPTIONS

Order P/N 54437#39#

PIECE COLOR CODES:

Spool Designation = 0
Spool Designation = 1
Spool Designation = 2
Spool Designation = 3
Spool Designation = 4
Spool Designation = 5
Spool Designation = 6
Spool Designation = 7
Spool Designation = 8
Spool Designation = 9

PORT 1
PORT 2
PORT 3

1. Bottom: System Port (1)
2. Second from bottom: System Port (2)
3. Third from bottom: System Port (3)

PACKING OPTIONS:

1. Bottom: System Port (1)
2. Second from bottom: System Port (2)
3. Third from bottom: System Port (3)

ORDERING INFORMATION:

Order P/N 54437#39#

PIECE COLOR CODES:

Spool Designation = 0
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Spool Designation = 3
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PORT 1
PORT 2
PORT 3

1. Bottom: System Port (1)
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PORT 1
PORT 2
PORT 3

1. Bottom: System Port (1)
2. Second from bottom: System Port (2)
3. Third from bottom: System Port (3)