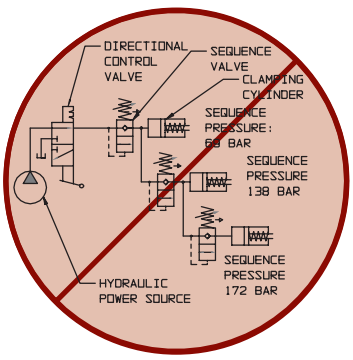
Sequence Valve

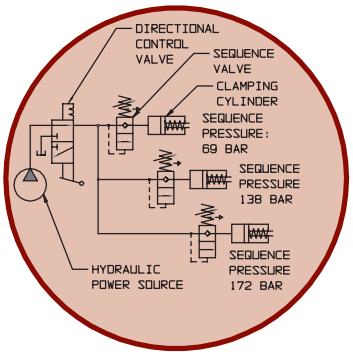
NEW
SET RANGE
More Flexibility

- Valve is 100% stainless steel construction and resists the corrosion which can cause other styles to "misfire."
- Direct acting poppet style, adjustable cartridge type construction.
- The cartridge may be installed directly into your manifold.
- Two-port design eliminates need for third fluid line to drain bypass flow (internal leakage) back to system reservoir.
- True sequence design allows full system pressure downstream of valve after opening.
- Recommended Filtration: 25 Micron (NOM) / 40 Micron (ABS) (minimum).

DON'T



DO

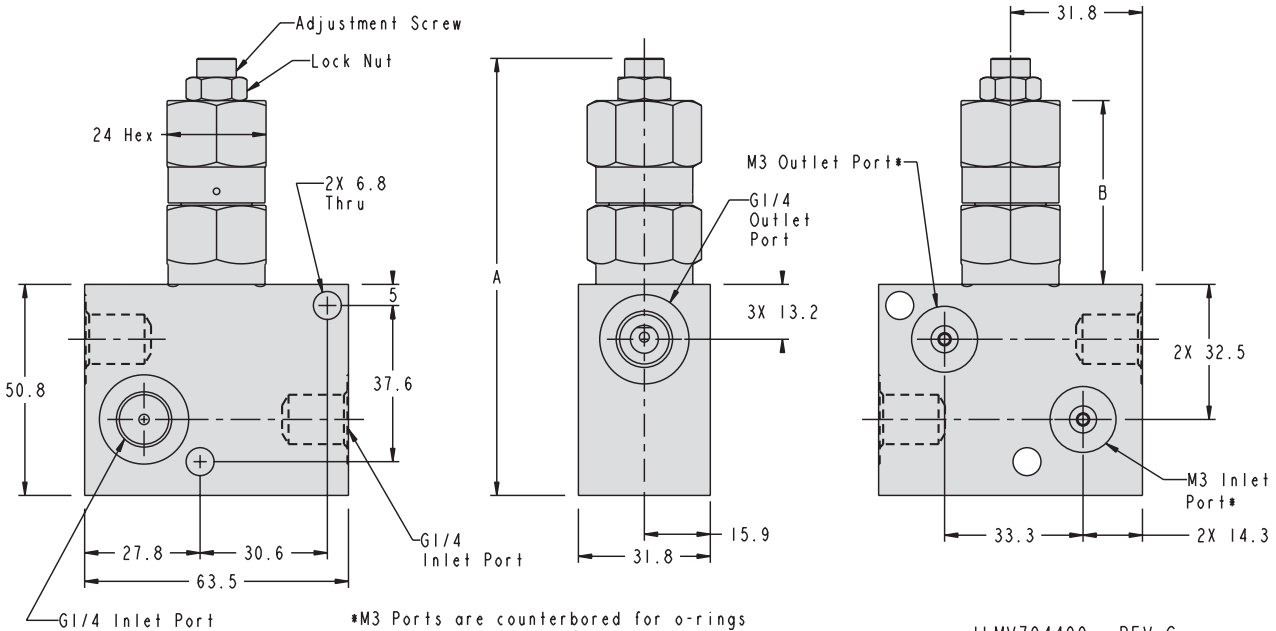


ILMVSCHAA REV A

Operation: The VektorFlo® sequence valve operates as a pressure sensitive, normally closed element in a clamping system. When fluid first enters the system at low pressure, the valve is closed, blocking the flow of fluid to devices downstream. After devices upstream of the valve have moved into position and pressure begins to increase, the increasing pressure overcomes the spring force holding the valve closed, forcing the poppet off its seat allowing fluid flow through the valve. After downstream devices have positioned and clamped, and pressure has increased to equal upstream pressure, the entire system pressure rises to the maximum level setting on the hydraulic power supply. When unclamping, as pressure falls, force from the adjustment spring pushes the poppet back onto its seat. Fluid trapped in the downstream circuit flows back through the check valve to return to the power unit reservoir.

Sequence Valve				
Model No.	Set Range	A	B	Max. Flow
47-0440-02	52 to 350 bar	105	44.2	5.7 l/min
47-0440-03	20 to 62 bar	120.3	60.0	11.4 l/min

Maximum inlet pressure for SEQ valves is 350 bar
Excess flow voids warranty



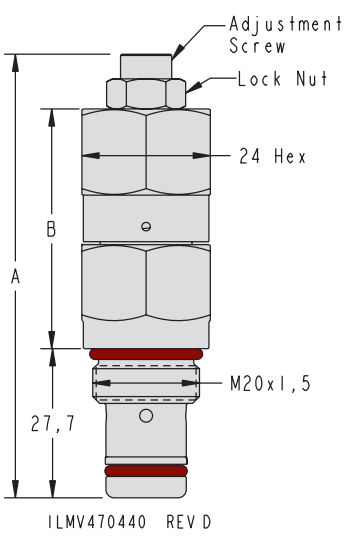
*M3 Ports are counterbored for o-rings that are used in manifold mounting applications.

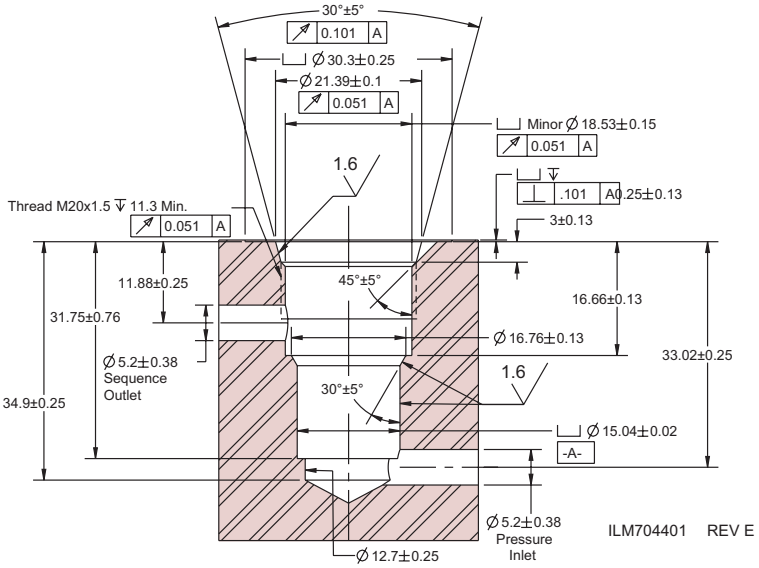
Ø 2.29/ 3.30 feed holes

ILMV704400 REV G

For proper sealing, the mating surface must be flat within 0.08 mm with a maximum surface roughness of 1.6 μm R_a

Sequence Valve Cavity





Sequence Valve Cartridge				
Model No.	Set Range	A	B	Max. Flow
47-0440-00	52 to 350 bar	82.3	44.5	5.7 l/min
47-0440-01	20 to 62 bar	96.5	60.2	11.4 l/min

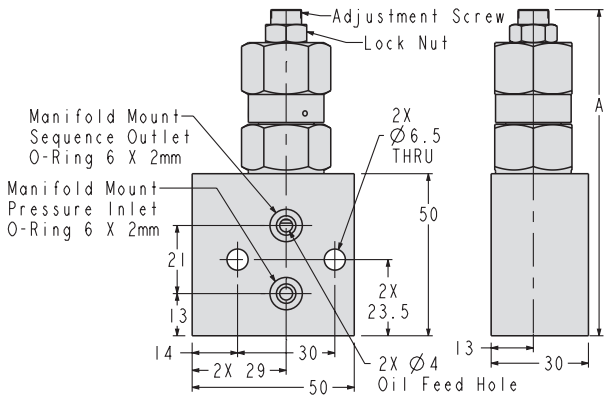
Maximum inlet pressure for SEQ valves is 350 bar
Excess flow voids warranty

Multi-Step Carbide Cavity Contour Tool/Tap Kit
Model No.
62-7040-00
Reamer and M20 x 1.5 Tap

NOTE: If a sequence valve is no longer needed, use 30-6011-20 plug to cap cavity for free fluid pass through.

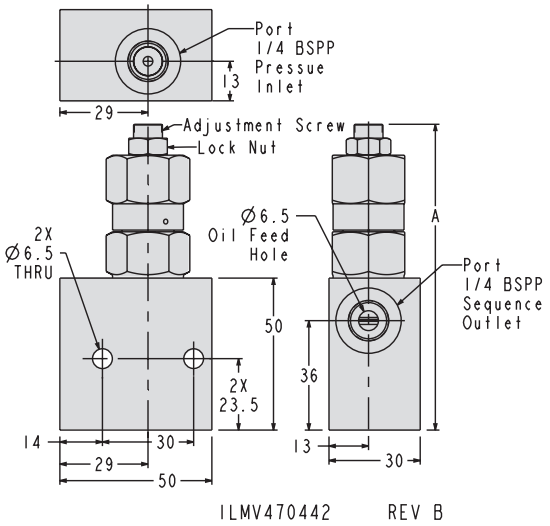
Sequence Valve for Tight Spaces

- 20% narrower than standard sequence valve.
- Valve is 100% stainless steel construction and resists the corrosion which can cause other styles to "misfire."
- The valve is the same one used in the larger block.
- Direct acting poppet style, adjustable cartridge type construction.
- The cartridge may be installed directly into your manifold.
- Pressure adjustment ranges ares: 52 bar (5.2 MPa) to 350 bar (3.5 MPa) and **20 bar (2.0 MPa) to 62 bar (6.2 MPa).**
- True sequence design allows full system pressure downstream of valve after opening.
- Recommended Filtration: 25 Micron (NOM) / 40 Micron (ABS) (min.)



Manifold Sequence			
Model No.	Set Pressure Range	A	Maximum Flow Rate
O-Ring Manifold Mount			
47-0440-10	52 to 350 bar	101	5.7 l/min
47-0440-11	20 to 62 bar	116	11.4 l/min

Maximum inlet pressure for sequence valves is 350 bar
Excess flow voids warranty



G1/4 BSPP Sequence			
Model No.	Set Pressure Range	A	Maximum Flow Rate
1/4 BSPP Port Mount			
47-0440-12	52 to 350 bar	101	5.7 l/min
47-0440-13	20 to 62 bar	116	11.4 l/min

Maximum inlet pressure for sequence valves is 350 bar
Excess flow voids warranty

For proper sealing, the mating surface must be flat within 0.08 mm with a maximum surface roughness of 1.6 μm R_a