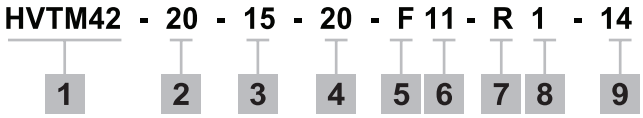
Power Steering Vane Pump
HVTM42 Series

Specifications :

Model	Ring Size Delivery at 1200 r/min & 7 bar (100 psi) USgpm	Geometric Displacement cm³/r (in³/r)	Maximum Speed at 7 bar (100 psi) rpm	Maximum Speed at 100 bar (1500 psi) rpm	Maximum Speed at 140 bar (2000 psi) rpm	Maximum Pressure bar (psi	Weight kg (lb)
HVTM42	1	3.4 (0.21)	7000	5000	4250	140 (2000)	7.2 (15.8)
	1.5	5.0 (0.31)		4500	4000		
	2	6.2 (0.38)		4200	3800		
	4	12.9 (0.79)		2800	2800		
	5	15.7 (0.96)	6000	2500	2300		
	6	19.3 (1.18)	5000		2000		

Power Steering Vane Pump
HVTM42 Series

Ordering Code



1. Model : HVTM42

2. Delivery (USgpm at 1200rpm & 7 bar)
   - 10 - 1.0 USgpm
   - 15 - 1.5 USgpm
   - 20 - 2.0 USgpm
   - 40 - 4.0 USgpm
   - 50 - 5.0 USgpm
   - 60 - 6.0 USgpm

3. Controlled Flow (at 1500rpm & 7 bar)
   USgpm (L/min)
   - 15 - 1.5 (6.0)
   - 20 - 2.0 (8.0)
   - 25 - 2.5 (9.5)
   - 30 - 3.0 (11.0)
   - 35 - 3.5 (13.0)
   - 40 - 4.0 (15.0)
   - 45 - 4.5 (17.0)
   - 50 - 5.0 (19.0)
   - 55 - 5.5 (21.0)
   - 60 - 6.0 (23.0)
   - 65 - 6.5 (25.0)
   - 70 - 7.0 (26.5)
   - 75 - 7.5 (28.0)

4. Relief Valve Setting psi (bar)
   - 05 - 500 (35)
   - 07 - 750 (52)
   - 10 - 1000 (70)
   - 12 - 1250 (86)
   - 15 - 1500 (100)
   - 17 - 1750 (120)
   - 20 - 2000 (140)

5. Filter for tank
   - NF - Standard baffle without filter
   - F - With filter

6. Tank or Manifold
   - NO - Without Tank
   - 11 - With 115 cu.in.(1884 cc.) Tank
   - 07 - With 70 cu.in.(1147 cc.) Tank
   - MA - Manifold without bypass tube
   - MB - Manifold with bypass tube
   - ME - Cast iron manifold with no bypass tube
   - MF - Cast iron manifold with bypass tube

7. Shaft Rotation (Viewed from shaft end)
   - R - Turn right
   - L - Turn left

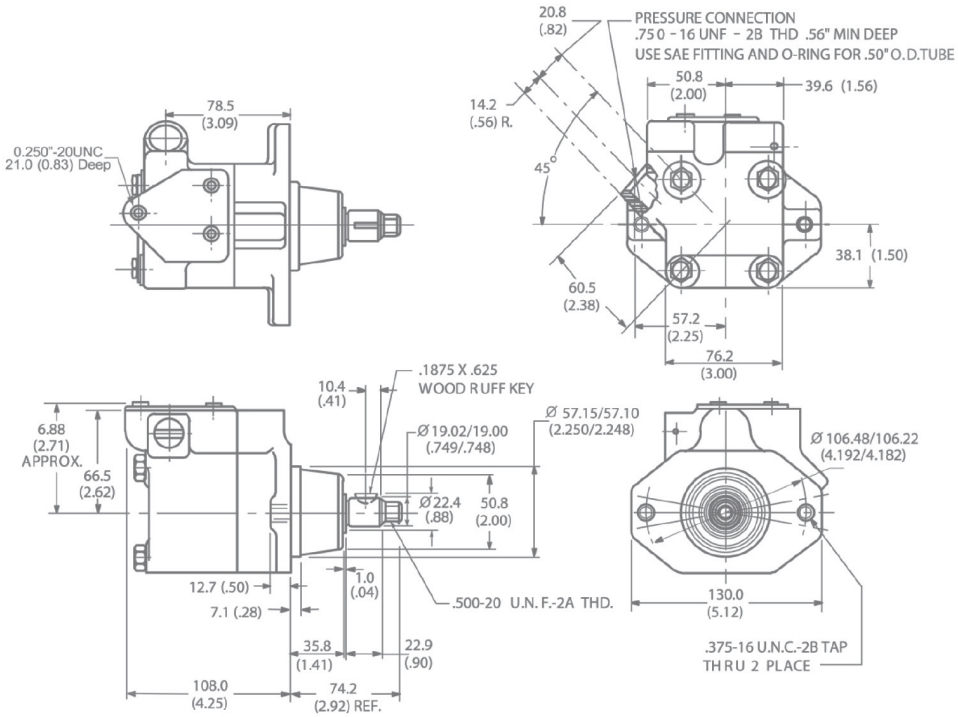
8. Shaft
   - 1 - Threaded with woodruff Keyed Shaft

9. Design
   Subject to change installation dimensions remain the same for design -10 through -19

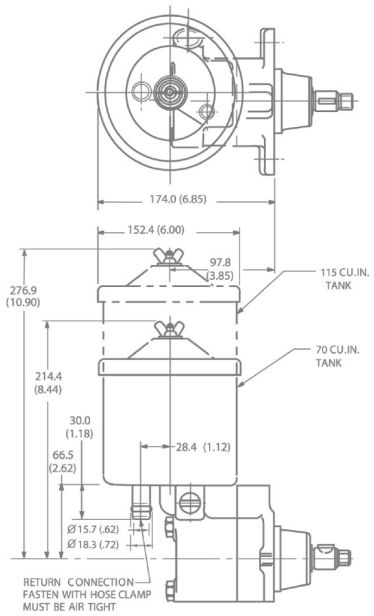
Power Steering Vane Pump
HVTM42 Series

Installation Dimension mm (inch)

HVTM42 without reservoir or manifold

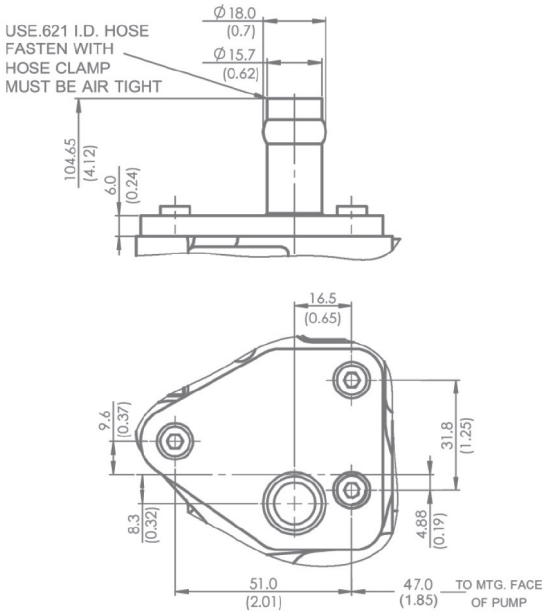


HVTM42 Tank Dimensions

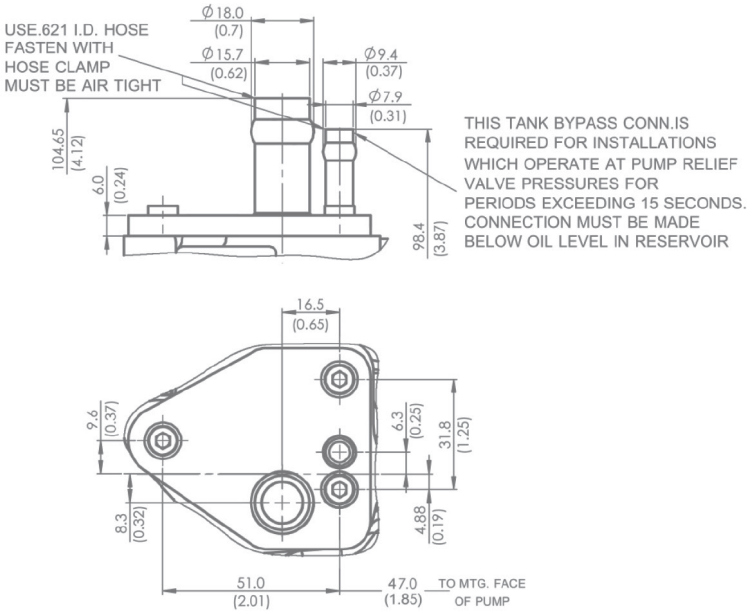


Power Steering Vane Pump
HVTM42 Series

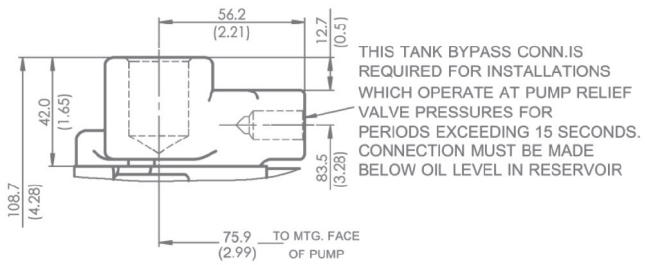
Manifold options for HVTM42

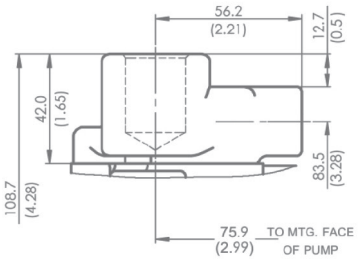


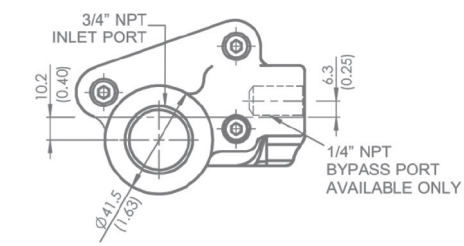
MA Manifold



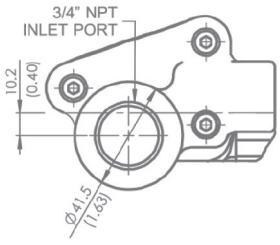
MB Manifold







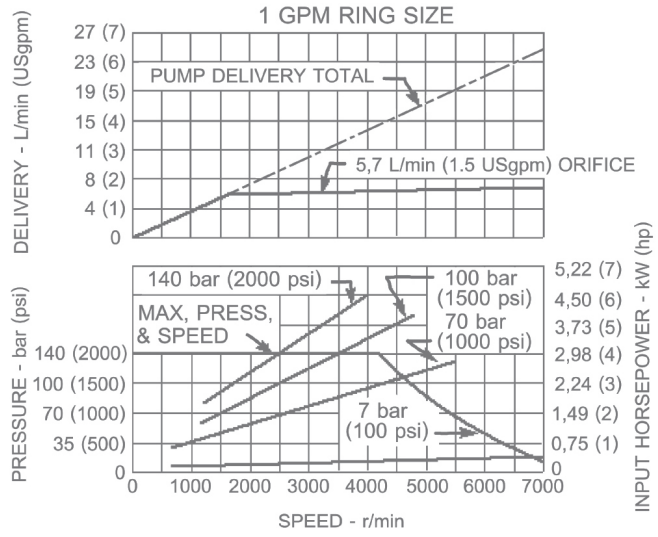
MF Manifold

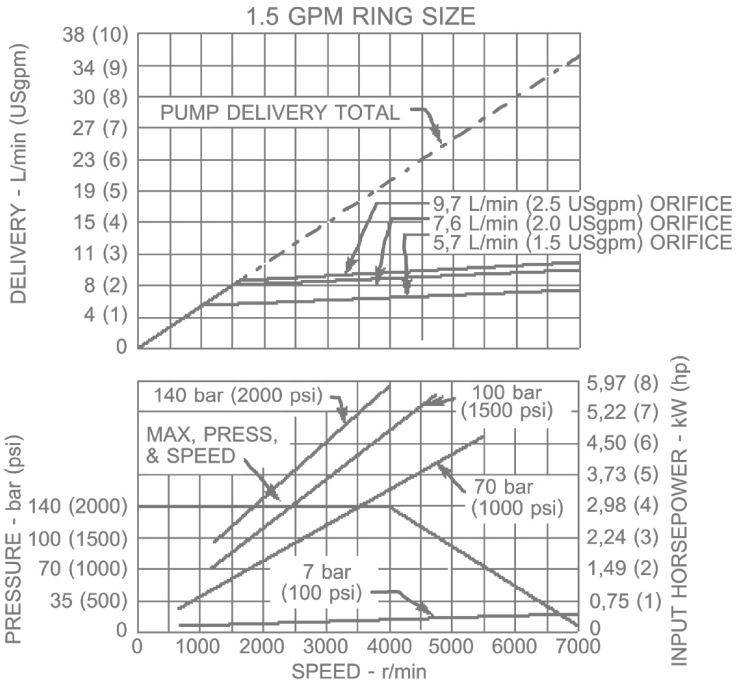


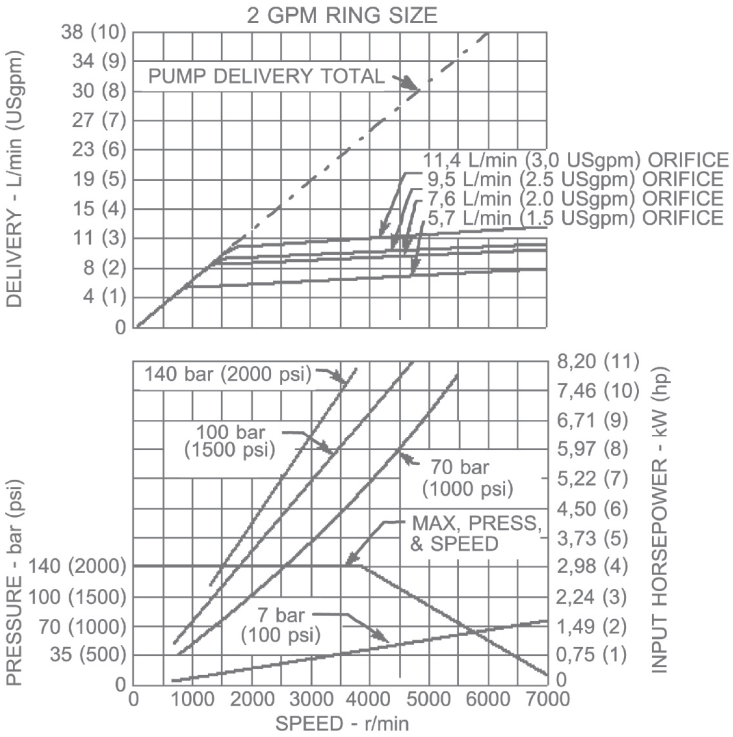
ME Manifold

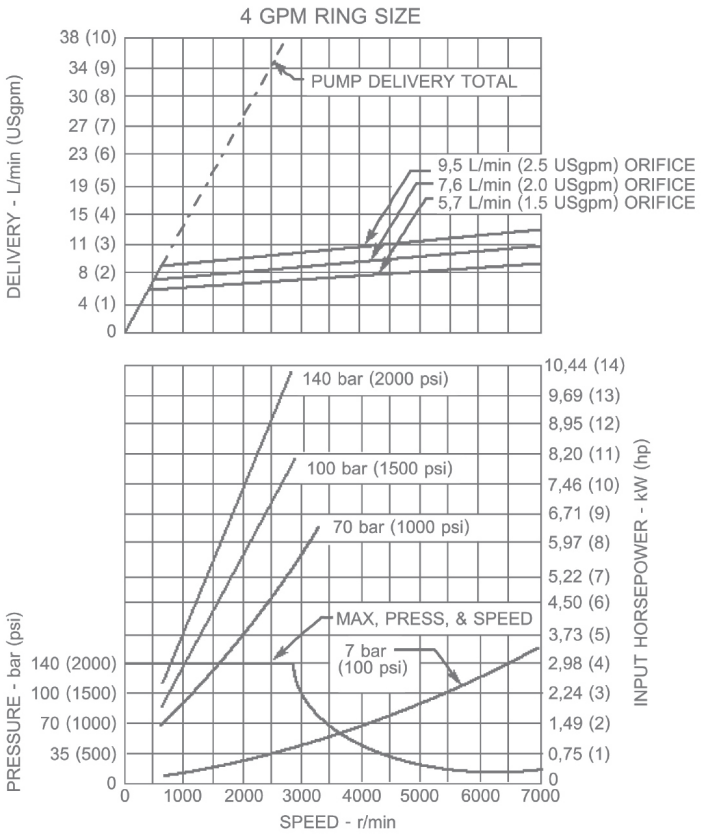
Power Steering Vane Pump
HVTM42 Series

Performance Characteristics









Power Steering Vane Pump
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