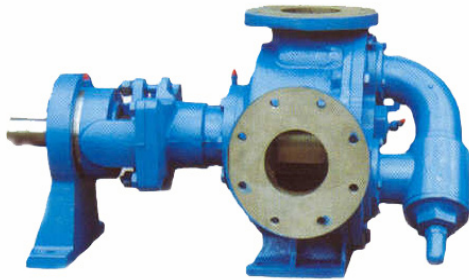


Series 332 – Heavy Duty Pumps



The rugged, yet simple, design of the VICAN 332 Series pumps assures long life and trouble free operation in normal-duty installations and outstanding performance when handling liquids at greater pressures. This series pump has been developed for high capacity and heavy-duty service for a wide range of pump applications. They are designed to work equally well in both directions and possess excellent vacuum developing characteristics. This series of pumps provides a continuous and steady stream of liquid without foaming or churning. These pumps can be supplied with jacketed features for steam or hot oil heating. A variety of materials of construction are available to suit application. Also suited for gear reduction, V-belt and timing belt arrangements without additional shaft support.

Capacities: to 3,785 l/min (1000 USGPM)⁽⁵⁾

Differential Pressures: to 1380 kPa (200 PSI)

Temperatures: to 343°C (650°F)

Viscosities: to 440,000 cSt (2,000,000 SSU)

Construction Features:

Thrust Bearing – Heavy duty type, grease lubricated oversized thrust bearing to withstand excessive thrust and radial loads. Bearing is not exposed to pumped liquid.

Rotor Adjustment – Allows easy adjustment of end clearance, assuring peak pumping performance without dismantling pump.

Relief Valve – (Std) To protect against excessive pressures, pumps are supplied with integral head mounted relief valves.

Jacketed Features – (Optional) Jacketed head, relief valve, rotor bearing sleeve, and casing available (See Series 260 pumps)

Standard Construction

Casing, Head, Bracket	Rotor ⁽⁷⁾	Idler	Shaft	Idler Pin	Idler and Bracket Bushing ^{(5) (6)}		Shaft Seal ^{(2) (3)}		Integral Relief Valve
					Standard	Option	Standard	Option	
Iron	Ductalloy	Iron	Steel	Steel	Bronze	Carbon Graphite	Packed	Mechanical Seal	All Iron

Specifications

Model No.	Port Size (Inch) ⁽⁴⁾	Nominal Pump Rating At 345 kPa (50 PSI) 21 cSt (100 SSU)			Motor Power Required Based on Rated Speed 21 cSt (100 SSU)				Maximum Hydro-Static Pressure		Max. Rec. Discharge Pressure Over 21 cSt (100 SSU)	Maximum Recommended Temperature (1)				Approx. Shipping Weight		
					345 kPa (50 PSI)		690 kPa (100 PSI)					Packed		Mech. Seal				
		GPM	l/min	RPM	HP	kW	HP	kW	PSI	kPa	PSI	kPa	°F	°C	°F	°C	LB	KG
Q-332	4" Flanged	310	1173	520	17	12.7	27	20.1	400	2758	200	1379	450	232	225	107	410	186
M-332	4" Flanged	400	1514	420	22	16.4	36	26.9	400	2758	200	1379	450	232	225	107	490	222
N-332	5" Flanged	590	2233	350	30	22.4	50	37.3	400	2758	125	862	450	232	225	107	850	386
R-332	6" Flanged	700	2650	190	36	26.9	58	43.3	400	2758	125	862	450	232	225	107	1400	636

- For higher temperatures consult factory for recommendations.
- Standard Packing is C-1065 Graphite/Teflon. C-1045 Food Grade Teflon and 1625GF High Temp Graphite are available as options.
- Buna-N elastomer used in mechanical seal. Viton or Teflon elastomers available upon request.
- Ports are suitable for use with 125# ANSI iron or 150# ANSI steel companion flanges or flanged fittings.
- Other bushings available to suit application.
- R-332 capacity to 2,650 l/min (700 USGPM) on continuous duty and up to 3,785 l/min (1000 USGPM) on intermittent duty (Consult Factory for operation in the intermittent range).
- Standard Rotor on LM-124 is Ductalloy.
- Standard Bushings on LM-124 are Carbon Graphite.