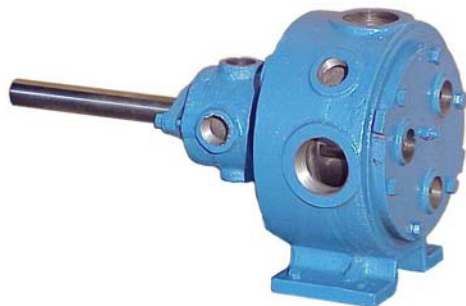


Series 230 – Jacketed Specialized Rotary Pumps



The jacketed pumps are specifically designed to handle heavy, viscous liquid requiring temperature control to maintain a flowing state. Series 230 pumps can be supplied with jacketed casing, head, rotor bearing sleeve and integral relief valve. Packing gland is multi-ring and can be supplied with special packing for high temperature conditions when required.

Capacities: to 1855 l/min (490 USGPM)
Differential Pressures: to 690 kPa (100 PSI)
Temperatures: to 343°C (650°F)
Viscosities: to 440,000 cSt (2,000,000 SSU)

Construction Features:

Jacketed Features – (Std) Jacketed Casing is supplied standard for all models. Casings are furnished with tapped connections to accommodate heating or cooling lines. (Optional) Jacketed head, jacketed relief valve, and jacketed rotor bearing sleeve are available.

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

Standard Construction

Casing ⁽¹⁾ , Head ⁽²⁾ , RBS ⁽³⁾	Rotor ⁽⁴⁾	Idler	Shaft	Idler Pin	Idler and Bracket Bushing ⁽⁵⁾		Shaft Seal ^{(6) (7)}	Integral Relief Valve ⁽⁸⁾
					Standard	Option		
Iron	Iron	Iron	Steel	Steel	Bronze	Carbon Graphite	Packed	Iron

Specifications

Model No.	Port Size (Inch)	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		Approx. Shipping Weight	
					345 kPa (50 PSI)		690 kPa (100 PSI)						Packed ⁽⁹⁾			
		GPM	l/min	RPM	HP	kW	HP	kW	PSI	kPa	PSI	kPa	°F	°C	LB	KG
HX4-230	1 ½ NPT	20	76	1200	1.03	0.77	1.75	1.31	400	2758	100	690	450	232	32	15
KK-230	2 NPT	55	208	420	2.3	1.72	4.7	3.51	400	2758	100	690	450	232	100	46
LQ-230	3 Flanged	94	356	420	3.8	2.83	7.8	5.82	400	2758	100	690	450	232	140	64
Q-230	4" Flanged	205	776	350	10	7.46	-	-	400	2758	75	517	450	232	410	186
M-230	4" Flanged	290	1098	280	13.7	10.22	-	-	400	2758	75	517	450	232	666	302
N-230	5" Flanged	480	1817	280	21	15.67	-	-	400	2758	75	517	450	232	790	359

- Jacketed Casing standard on Series 230 pumps
- Non-Jacketed Head with integral Relief Valve is standard. Jacketed Head is available as an option. A combination of Jacketed Head and Non-Jacketed or Jacketed Relief Valve is not available.
- Jacketed Rotor Bearing Sleeve is available as an option. (Not available on HX4-230 model).
- Ductalloy Rotor is standard on M-230 and N-230 pumps.
- Other bushings available to suit application
- Standard packing is C-1065 Graphite/Teflon. C-1045 Teflon and 1625-GF high temperature Graphite packing is available as an option.
- Mechanical seals are available. Buna is standard elastomer. Viton and Teflon elastomers are available upon request.
- All iron Non-Jacketed Relief Valve is standard on 230 Series. Jacketed Relief Valve is available as an option. A combination of Jacketed Head and Non-Jacketed or Jacketed Relief Valve is not available. Jacketed Relief Valve is not available on HX4-230 model.
- For higher temperatures consult factory

Jacket Ratings	Max. Temperature		Max. Pressure	
	°F	°C	PSI	kPa
Saturated Steam	365	185	150	1034
Hot Oil	650	343	150	1034