

VIKING PUMP CANADA	TECHNICAL DATA SHEET		FORM	TDS-332
	ROTARY GEAR POSITIVE DISPLACEMENT PUMPS		PAGE	1 OF 1
	SERIES 332 - HEAVY DUTY PUMPS		ISSUE	1/1/2017



THE RUGGED, YET SIMPLE, DESIGN OF THE VIKING 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 AS 260 SERIES PUMPS WITH JACKETED FEATURES FOR STEAM OR HOT OIL HEATING

A VARIETY OF MATERIALS OF CONSTRUCTION ARE AVAILABLE TO SUIT APPLICATION.

THEY ARE SUITED FOR GEAR REDUCTION, V-BELT AND TIMING BELT ARRANGEMENTS WITHOUT ADDITIONAL SHAFT SUPPORT.

CAPACITIES: TO 2,233 L/MIN (590 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
- **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) (8)		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			MOTOR POWER REQUIRED BASED ON RATED SPEED 21 cSt (100 SSU)				MAX HYDRO-STATIC PRESSURE		MAX. REC. DISCHARGE PRESSURE		MAX RECOMMENDED TEMPERATURE (1)				APPROX. SHIPPING WEIGHT	
		345 kPa (50 PSI) 21 cSt (100 SSU)			345 kPa (50 PSI)		690 kPa (100 PSI)		PSI	kPa	PSI	kPa	PACKED		MECHANICAL SEAL		LB	KG
		GPM	L/MIN	RPM	HP	kW	HP	kW					°F	°C	°F	°C		
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

1. FOR HIGHER TEMPERATURES CONSULT FACTORY FOR RECOMMENDATIONS.
2. STANDARD PACKING IS C-1065 GRAPHITE/PTFE. C-1045 FOOD GRADE PTFE AND 1625GF HIGH TEMP GRAPHITE ARE AVAILABLE AS OPTIONS.
3. BUNA-N ELASTOMER USED IN MECHANICAL SEAL. VITON OR PTFE ELASTOMERS AVAILABLE UPON REQUEST.
4. PORTS ARE SUITABLE FOR USE WITH 125# ANSI IRON OR 150# ANSI STEEL COMPANION FLANGES OR FLANGED FITTINGS.
5. OTHER BUSHINGS AVAILABLE TO SUIT APPLICATION.
7. STANDARD ROTOR ON M, AND N PUMP IS DUCTALLOY..