

VIKING PUMP CANADA	TECHNICAL DATA SHEET						FORM	TDS-115
	ROTARY GEAR POSITIVE DISPLACEMENT PUMPS						PAGE	1 OF 1
	SERIES 115 - GENERAL PURPOSE PUMPS						ISSUE	1/1/2017



SERIES 115 PUMPS ARE DESIGNED AND ENGINEERED FOR SMALL CAPACITY APPLICATIONS TO SUIT LIGHT AND MEDIUM SERVICE DUTIES.

THEY OPERATE EQUALLY WELL IN BOTH DIRECTIONS AND POSSESS EXCELLENT VACUUM DEVELOPING CHARACTERISTICS.

THE "GEAR-WITHIN-A-GEAR" PUMPING PRINCIPLE WITH CUSHIONED POSITIVE FLOW ACTION, ASSURES NON-PULSATING TRANSFER OF LIQUID.

THEY CAN HANDLE MOST LIQUIDS THIN OR THICK AND THEIR COMPACT DESIGN FITS INTO MOST SPACE RESTRICTIONS.

THE SERIES IDEALLY SUITED FOR DIRECT DRIVES AT NOMINAL MOTOR SPEED OF 950 TO 1750 RPM AND REDUCER OR BELT DRIVE DOWN TO 100 RPM.

WITH 4 DIFFERENT PORT ORIENTATIONS AND A BROAD MATERIAL SELECTION, THE 115 SERIES DEFINES VERSATILITY.

CAPACITIES: TO 114 L/MIN (30 USGPM)
DIFFERENTIAL PRESSURES: TO 6900 kPa (100 PSI)
TEMPERATURES: TO 232°C (450°F)
VISCOSITIES: TO 55,000 cSt (250,000 SSU)

STANDARD CONSTRUCTION

CASING, HEAD, BRACKET	ROTOR	IDLER	SHAFT	IDLER PIN	IDLER BUSHING	CASING BUSHING	SHAFT SEAL (2) (3)	INTEGRAL RELIEF VALVE (4)
IRON	IRON	IRON	STEEL	HD. STEEL	BRONZE	BRONZE	C-1065 PACKING	IRON / BRONZE FITTED

SPECIFICATIONS

MODEL NO.	PORT SIZE (INCH)	NOMINAL PUMP RATING AT			MOTOR POWER REQUIRED BASED ON RATED SPEED				MAXIMUM HYDRO-STATIC PRESSURE		MAX. REC. DISCHARGE PRESSURE		MAXIMUM RECOMMENDED TEMPERATURE (1)				APPROX. SHIPPING WEIGHT	
					21 cSt (100 SSU)								OVER 21 CST (100 SSU)		PACKED			
		GPM	L/MIN	RPM	HP	kW	HP	kW	PSI	kPA	PSI	kPA	°F	°C	°F	°C	LB	KG
H-115	1 NPT 90°	8	30	950	0.8	0.6	2	1	400	2758	100	690	450	232	225	107	31	14
		10	38	1150	0.8	0.6	2	1										
		12.5	47	1450	1	0.8	2	2										
		15	57	1750	1.5	1.1	2	2										
HX4-115	1 ½ NPT 90°	17	64	950	1	0.8	2	2	400	2758	100	690	450	232	225	107	33	15
		20	76	1150	1	0.75	2	1.5										
		25	95	1450	1.5	1.1	3	2.2										
		32	121	1750	2	1.5	3	2.2										

1. CONSULT FACTORY FOR HIGHER TEMPERATURES
2. BUNA-N ELASTOMERS USED IN MECHANICAL SEAL. VITON OR PTFE ELASTOMERS AVAILABLE UPON REQUEST
3. C-1045 PTFE FOOD GRADE PACKING AND 1625-GF HIGH TEMPERATURE GRAPHITE PACKING AVAILABLE AS OPTIONS.
4. STANDARD RELIEF VALVE IS IRON, BRONZE FITTED. ALL IRON RELIEF VALVE AVAILABLE UPON REQUEST.