



Water Sealed No Recovery & Partial Recovery Technical Data Sheet

TRS 32 &40, SERIES; TRV 40 SERIES

Standard Components

- ◆ Travaini base mounted liquid ring vacuum pump
- ◆ Heavy duty flexible coupling, requires no field alignment or lubrication
- ◆ NEMA C-face, TEFC, 3 phase. 60 hz, 230/460 volt, class F, 1.15 service factor motor
- ◆ Separator reservoir
- ◆ Seal liquid solenoid valve, includes Y-strainer and stop valve
- ◆ Seal water flow control
- ◆ Inlet check valve
- ◆ Vacuum gauge
- ◆ Globe Valve*
- ◆ Y-Strainer*
- ◆ Temperature Gauge*

Pre-Engineered Options

- ◆ Inlet filter (used for applications where a high carry-over of solids can be expected)
- ◆ Vacuum relief valve installed on pump suction (used to control maximum vacuum level)
- ◆ Flow switch
- ◆ Temperature gauge
- ◆ Vibration Mounts (Shipped Loose)

Engineered Options (these options will extend standard lead times)

- ◆ 460 volt, 3 phase, and 60 hz control panel with the following components:
 - Simplex: Full voltage starter c/w overloads control transformer, start/sop button, pump running light, and hour meter, mounted in NEMA 12 panel.
 - Duplex: Full voltage starters c/w overloads, one control transformer, two HOA switches, two running lights, two hour meters, auto alternation, and frequent start protection, mounted in NEMA 12 panel. Two vacuum switches are also standard.
- ◆ Inlet isolation valve (used to isolate pump operating on a common manifold)
- ◆ Vacuum receiver, ASME coded, standard, galvanized or epoxy coated
- ◆ Flexible pipe connectors (used to eliminate pipe stain on system components)
- ◆ Warning lights and audible alarms
- ◆ Fused disconnects or circuit breakers
- ◆ Dual control transformers (multiple pump systems)
- ◆ Programmable controllers (multiple pump systems)
- ◆ Custom built electrical panels

System Model	Inlet/Outlet	Seal Water Line Size	Pump Model
TRW 20S-NR	1 1/4"	3/8"	TRSE 32-20
TRW 20M-NR	1"	3/8"	TRM 25-30
TRW 40S-NR	1 1/4"	3/8"	TRSE 32-550
TRW 40M-NR	1"	3/8"	TRM 32-50
TRW 45S-NR	1 1/2"	1/2"	TRSC 40-55
TRW 60M-NR	1 1/2"	3/8"	TRM 32-75
TRW 75S-NR	1 1/2"	1/2"	TRSC 40-100
TRW 70V-NR	1 1/2"	1/2"	TRVB 40-110
TRW 100S-NR	1 1/2"	1/2"	TRSC 40-150
TRW 100V-NR	1 1/2"	1/2"	TRVB 40-150
TRW 150V-NR	2"	1/2"	TRVB 40-200

* = For Partial Recovery Systems