



Water Sealed No Recovery & Partial Recovery Technical Data Sheet
TRV 65 SERIES; TRS 100-125 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)
- ◆ Custom built electrical panels

System Model	Inlet/Outlet	Seal Water Line Size	Pump Model
TRW 200V-NR/PR	2 ½"	½"	TRVA 65-300
TRW 300V-NR/PR	2 ½"	½"	TRVA 65-450
TRW 400S-NR/PR	4"	¾"	TRSC 100-550
TRW 500S-NR/PR	4"	¾"	TRSC 100-550
TRW 700S-NR/PR	5"	1"	TRSE 125-1250
TRW 900S-NR/PR	5"	1"	TRSE 125-1550

* = For Partial Recovery Systems