



Triton™ 3D Series

Circulating Pumps

Quiet low shear, low pulsation pump delivers superior finish quality!

- Low pulsation output provides a high quality finish, consistent pattern and film on finished parts
- Low shear pumping action for minimal material degradation on circulating paints and coatings
- Diaphragm seal eliminates conventional throat packings and reduces maintenance costs



Technical Specifications

Model	Triton 3D 150	Triton 3D 350
Pump ratio	3:1	3:1
Maximum fluid outlet pressure	21 bar, 2.1 MPa (300 psi)	17.9 bar, 1.8 MPa (260 psi)
Maximum air input pressure	7 bar, 0.7 MPa (100 psi)	6.1 bar, 0.6 MPa (88 psi)
Fluid flow @ 20 cpm	3.0 lpm (0.8 gpm)	7.0 lpm (1.85 gpm)
Volume per cycle	150 cc (5 oz)	350 cc (11 oz)
Maximum recommended continuous cycle rate	20 cpm	20 cpm
Air consumption @ 88 psi air @ 20 cpm	0.08 m ³ /min. (3 scfm)	0.28 m ³ /min. (10 scfm)
Sound pressure level @100 psi air @ 20 cpm	67 dBA	67 dBA
Air motor inlet	1/4" npt(f) or 3/8" BSPP(f)	1/2" npt(f) or 1/2" BSPP(f)
Pump fluid inlet	3/4" npt(f) or M26 x 1.5(f)	1" npt(f) or 1" BSPP(f)
Pump fluid outlet	3/8" npt(f) or 3/8" BSPP(f)	1" npt(f) or 1" BSPP(f)
Weight	12 kg (26 lb)	29 kg (64 lb)
Instruction manual	311688	311689

Ordering Information

1. Select 3D 150 or 3D 350, based on flow requirements of the circulating system. Refer to TRITON 3D150 and 3D 350 pump performance charts.
2. Select npt or BSPP thread design based on circulating system pumping requirements.
3. Order pump part number.

Pump Part Number <i>(Bare Pump Only)</i>	TRITON 3D 150	TRITON 3D 150	TRITON 3D 350	TRITON 3D 350
	253705	253704	253708	253707
Construction	SST	SST	SST	SST
Thread design	npt	BSPP	npt	BSPP
Seat Construction	SST	SST	SST	SST
Ball guides construction	Acetal	Acetal	Acetal	Acetal
Ball construction	Acetal	Acetal	Acetal	Acetal
Diaphragm construction	PTFE	PTFE	PTFE	PTFE

Repair Kits Ordering Information

PTFE diaphragm repair kit	246011	246011	243152	243152
Air valve repair kit	245066	245066	243153	243153
Acetal balls and stainless seats kit (qty: 4 each)	245067	245067	243154	243154
Pneumatic cylinder seal repair kit	–	–	243155	243155
Fluid valve seal kit	–	–	243156	243156
Bearing Kit	15J647	15J647	261696	261696
Shaft Repair Kit	233841	233841	–	–

Accessories for Triton 3D 150

- 246495 Wall Bracket**
Includes wall bracket and hardware for mounting the Triton 3D 150 pump on wall. Does not include pump.
- 245083 Suction Hose, Stainless**
Used to siphon material out of a 18.9 l (5 gal) pail. Includes 1.2 m (4 ft) hose, stainless siphon tube, and inlet strainer. Hose outlet fitting: 3/8 JIC(f) (9/16-18 unf).
- 245085 Suction Hose Kit, Stainless, 55 Gallon Drum**
Used to siphon material out of a 200 l (55 gal) drum. Includes 1.8 m (6 ft) hose, stainless siphon tube, acetal bung adapter and inlet strainer. Hose outlet fitting: 3/8 JIC(f) (9/16-18 unf).
- 112100 Adapter Fitting, Stainless**
Use with bushing 116350 to connect 245083 and 245085 suction hose kits to Triton 3D 150 fluid inlet. 3/8 JIC(m) (9/16-18 unf) x 3/8 npt(m).
- 116350 Pipe Bushing, Stainless**
Use with adapter fitting 112100 to connect 245083 and 245085 suction hose kits to Triton 3D 150 fluid inlet. 3/4 npt(m) x 3/8 npt(f).
- 238909 Grounding Wire and Clamp**
10 gauge, 7.6 m (25 ft) wire
- 224040 Pump Runaway Valve**
Use to prevent pump from running dry and running at high cycle rates. Maximum working pressure: 0.8 MPa, 8.4 bar (120 psi). Inlet and outlet: 3/4 npt(f).

Accessories for Triton 3D 350

- 245874 Floor Stand, 4-legged**
Includes stand frame and hardware for mounting the Triton 3D 350 pump on the floor. Does not include pump.
- 245875 Wall Bracket**
Includes wall bracket and hardware for mounting the Triton 3D 350 pump on wall. Does not include pump.
- 208920 Siphon Kit, Aluminum**
Use to siphon fluid from a 18.9 l (5 gal) pail. Includes nylon suction hose 170706, 1" ID, 1.2 m (4 ft) long, 3/4 npt(f) swivel.
- 238909 Grounding Wire and Clamp**
10 gauge, 7.6 m (25 ft) wire
- 224040 Pump Runaway Valve**
Use to prevent pump from running dry and running at high cycle rates. Maximum working pressure: 0.8 MPa, 8.4 bar (120 psi). Inlet and outlet: 3/4 npt(f).
- 261695 Diaphragm Assembly**
Use to assist in the installation of diaphragm