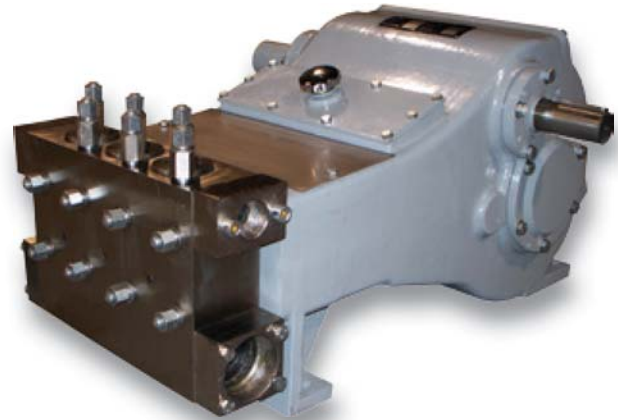


T40 Triplex Pump

Pump Specifications

Rated (HP, kW)	40	29.8
Stroke length (in., mm)	2.95	74.9
Maximum discharge pressure (PSI, Bar)		
T40H	4,480	309
T40M	3,110	214
T40L	2,290	158
Rated rod load (lb, kg)	5,500	2,495
Internal gear ratio	3.15:1	
Intermittent duty speed, pinion RPM	1,420	
Maximum continuous duty speed, pinion RPM	950	
Minimum speed, pinion RPM	240	
Crankshaft dimensions (in., mm)		
Diameter	2.00	50.8
Length (both sides)	4.25	108.0
Keyway, width × depth (in., mm)	.500 × .250	12.7 × 6.4
Oil capacity (gal, l)	5.3	24.1
Weight (lb, kg); estimates only	945	428.6
Mechanical efficiency	85%	



Flange Connections

Pump Model	Discharge Connection Sizes (in., mm)	Suction Connection Sizes (in., mm)
T40H	1.0 (25.4) NPT	2.0 (50.8) NPT
T40M	1.0 (25.4) NPT	2.0 (50.8) NPT
T40L	1.5 (38.1) NPT	3.0 (76.2) NPT

Applications

- Amine gas sweetening
- Methanol injection
- Water injection
- Chemical injection
- Glycol gas dehydration
- Light hydrocarbon transportation
- Crude transfer
- Polymer flood
- Produced water disposal
- Steam boiler feed
- Hydrostatic testing
- Ammonia
- Horizontal directional drilling
- Hot-oil truck injection

Standard Equipment

- Forged duplex stainless steel, or forged carbon steel fluid ends
- Duplex stainless steel stuffing boxes
- Disc valve or A/R Stainless Steel
- Tungsten carbide coated plungers over stainless steel base or solid ceramic plungers
- Double extended crankshaft
- Multiple plunger packing arrangements offered

Optional Accessories

- Packing lubricators
- Customized plunger packing arrangements
- Complete pump packages
- Ported stuffing boxes and leak detection systems offered for H₂S or light fluids
- Auxillary lube kit (slow speed kit allows pump to be turned down to 50 rpm)

T40 Triplex Pump

Performance Ratings

Model (standard)	Plunger Diameter (in.)	Gallons Per Revolution	Maximum Pressure PSI	240 RPM		500 RPM		650 RPM		850 RPM		950 RPM API 674		Intermittent Duty 1,420 RPM	
				GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD
T40H	1.000	0.0096	4,480	2.3	79	4.8	164	6.2	213	8.1	279	9.1	311	13.6	465
	1.250	0.0149	4,480	3.6	123	7.5	256	9.7	333	12.7	435	14.2	487	21.2	727
T40M	1.500	0.0215	3,110	5.2	177	10.8	369	14.0	479	18.3	627	20.4	701	30.5	1,047
T40L	1.750	0.0293	2,290	7.0	241	14.6	502	19.0	653	24.9	853	27.8	954	41.6	1,426
	2.000	0.0382	1,750	9.2	315	19.1	656	24.9	852	32.5	1,115	36.3	1,246	54.3	1,862
	2.250	0.0484	1,380	11.6	398	24.2	830	31.5	1,079	41.1	1,411	46.0	1,577	68.7	2,357
	2.500	0.0598	1,120	14.3	492	29.9	1,024	38.8	1,332	50.8	1,742	56.8	1,946	84.9	2,909

Model (metric)	Plunger Diameter (in.)	Liters Per Revolution	Maximum Pressure BAR	240 RPM		500 RPM		650 RPM		850 RPM		950 RPM API 674		Intermittent Duty 1,420 RPM	
				LPM	M ³ /hr	LPM	M ³ /hr	LPM	M ³ /hr	LPM	M ³ /hr	LPM	M ³ /hr	LPM	M ³ /hr
T40H	1.000	0.0362	309	8.7	0.5	18.1	1.1	23.5	1.4	30.8	1.8	34.4	2.1	51.4	3.1
	1.250	0.0565	309	13.6	0.8	28.3	1.7	36.8	2.2	48.1	2.9	53.7	3.2	80.3	4.8
T40M	1.500	0.0814	214	19.5	1.2	40.7	2.4	52.9	3.2	69.2	4.2	77.4	4.6	115.6	6.9
T40L	1.750	0.1108	158	26.6	1.6	55.4	3.3	72.0	4.3	94.2	5.7	105.3	6.3	157.4	9.4
	2.000	0.1448	121	34.7	2.1	72.4	4.3	94.1	5.6	123.0	7.4	137.5	8.3	205.6	12.3
	2.250	0.1832	95	44.0	2.6	91.6	5.5	119.1	7.1	155.7	9.3	174.0	10.4	260.2	15.6
	2.500	0.2262	77	54.3	3.3	113.1	6.8	147.0	8.8	192.3	11.5	214.9	12.9	321.2	19.3

General Notes

- Capacities shown are based on 100 percent volumetric efficiency. Actual capacities are lower, based on discharge pressure and fluid compressibility.
- API-674 and NACE-compliant designs are available; consult Weatherford for details and exceptions to these standards.
- For operation below 240 RPM, an auxiliary lubrication system is required.
- Standard plunger sizes are shown, however other sizes are available upon request.

General Dimensions (sizing dimensions not for construction purposes)

