









SELECTION OF ROTARY PUMPS BASED ON APPLICATION ENGINEERING

Tushaco has to its credit more than 35 years of experience rich and rugged in designing and manufacturing of Rotary Pumps of several designs, based on the world class know-how from Allweiler-GmbH of Germany.

Today, equipped with the advanced Application Engineering, futuristic technology and unmatched ability, Tushaco has the rightful edge to recommend reliable and economical solutions to practically any pumps' requirements.

Pressure (Kg/Cm2)	Capacity L.P.M.	Pump Series	No. of Sizes	Applications	Type of pumps
7	3-125	RT	7	▲ ● ○ △	Rotary Trochoidal 'RT'
10	10-1000	TIG	5	○ ▲ △ ■	Internal gear 'TIG'
10	200-1700	EG	7	⊕ ● ⊗ ○	External gear 'EG'
7	200-900	SB	3	▲ ▲ □ ■ ⊗	Shuttle block
6, 12	10-2700	T1S	8	⊗ ■	Single Screw Pump 'T1S'
15, 50	200-6000	TS/TDSH	30	⊗ ▲ ●	Two spindle screw pump with timing gear
20	5-30	T3S-Z	3	○ △	Three spindle screw pumps
40	5-100	T3SFP	8	△ ▲ ▲ ○ ⊕	Three spindle screw pumps 'T3SFP'
60	5-2200	T3S-T-L-N	44	○ ⊕ ● ⊙ ⊙ ▲ ▲	Three spindle screw pumps 'T3S-T-L-N'
120	10-2000	T3S-T-M	44	⊙	Three screw Pump 'T3S-T-M'
180	5-1800	T3S-T-H	10	⊙ ▲ ▲	Three spindle screw pumps 'T3S-T-H'
180	2-115	HPG	24	●	External gear with hardened and ground gears 'HPG'

ROTARY TROCHOIDAL (LOBE)	
INTERNAL GEAR	
EXTERNAL GEAR	
SHUTTLE BLOCK	
PROGRESSIVE CAVITY PUMP	
TWIN SCREW	
THREE SCREW T3S-T-L-N-M	
THREE SCREW T3SFP	

Transfer duties:

- ⊗ Bulk cargo transfer/ loading and unloading of ship and barges.
- ⊕ Unloading of railway rake/ loading of railway wagons/ road tankers.
- ▲ Stripping of railway tank wagons/ oil barges.
- △ Draining of pipelines.
- Unloading of road tankers containing fuel oils/ tar/ bitumen.
- ⊗ Tank to tank transfer in plant.
- ⊙ Emptying of barrels.
- ▲ Transfer, circulation and loading of Asphalt, Bitumen, VTB, tar in refineries.
- ⊗ Process transfer of high viscous products like soap, molasses, chocolate, LSHS, HPS.
- Food Grade Applications

Lubrication and Hydraulics:

- Lubrication of bearings, gear box, cam shaft, fan bearings (ID, FD, PA).
- ⊕ Lubrication and cooling of large diesel engines, rolling mills, compressors and turbines.
- Low pressure hydraulic duties like sealing hydrogen in power plants for turbogenerator-sealing gas in gas holder in steel plants, governing of variable pitch fans and propellers.
- ⊙ High pressure hydraulic duties like water turbine governing, sealing of gas at high pressures in fertilizer plants.

Oil Firing Duties:

- (for HFO, RFO, LSHS, HHS, HPS, LDO, HSD and like)
- △ Fuel injection duties for low pressure burners.
 - ▲ Feeding oils to injection pumps of diesel engine and medium pressure burners.
 - ▲ Feeding oils to high pressure burners as used in power station boilers, gas