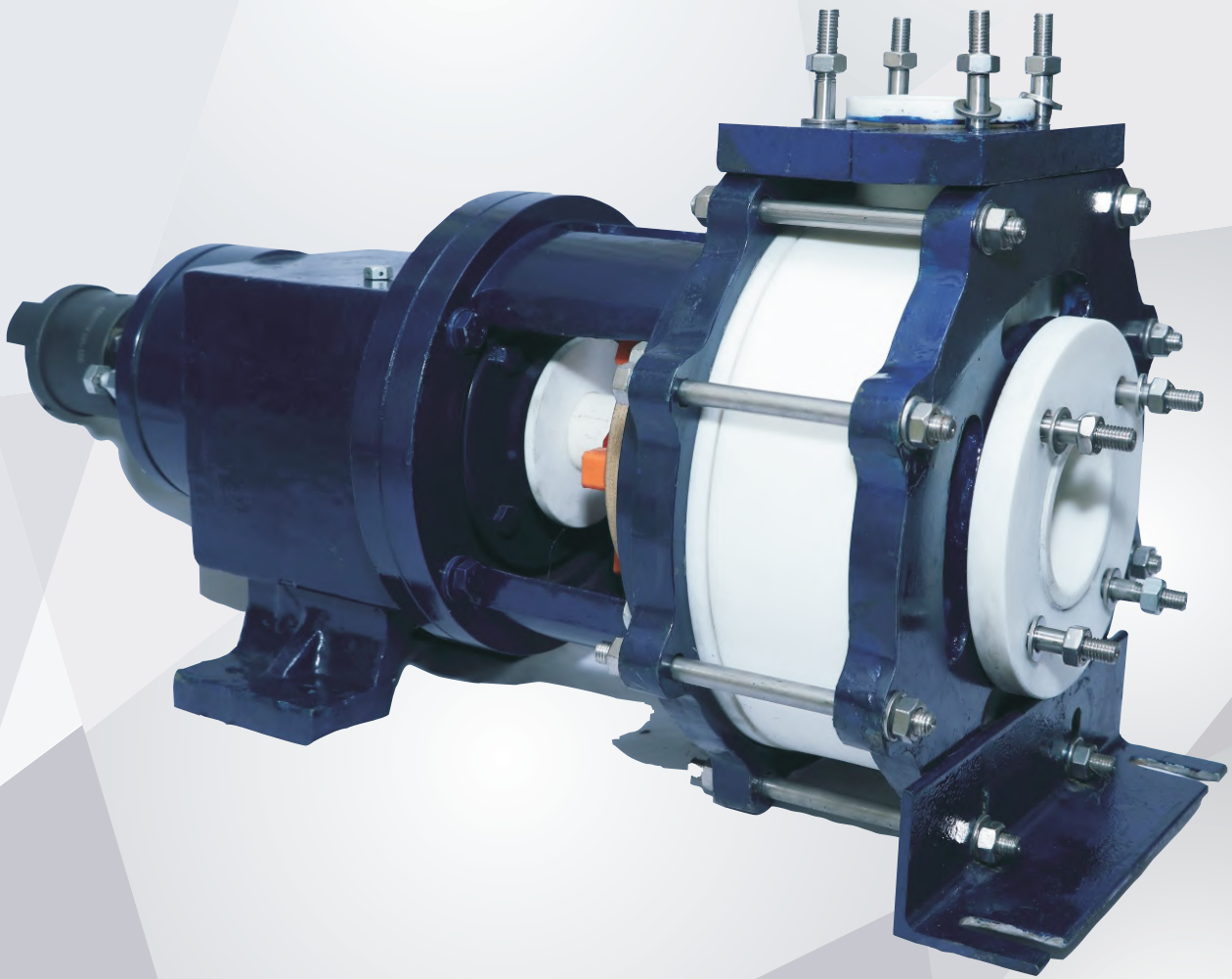


STP/STPP-SERIES

CORROSION RESISTANCE PUMP



Standard



CORROSION RESISTANCE MOULDED PUMP

PRODUCT OVERVIEW

STP Series are injection moulded non-metallic, back pull-out, volute casing, and end suction centrifugal pump. Design philosophy is to design pumps that are simple, rugged & reliable using for most appropriate materials. Polypropylene, a vinyl polymer has low density is fairly rigid & has temperature resistance up to 70° C.

TECHNICAL DATA

Operating Frequency	50 Hz
Capacity (Q) Max.	200 m ³ /hr
Head (H)Max.	50 m
Motor Power (P) Max.	40 kw
Maximum Specific Gravity (SG)	1.5
Maximum Working Temperature	PP: 70°C
Suction & Delivery Connection	ANSI B16.5 - Class 150
Shaft Seal	Single & Gland
Bearings	Rolling Element Bearings
Lubrication	Oil
Motor Compatibility	IS 1231, IEC 72-1, NEMA

APPLICATION

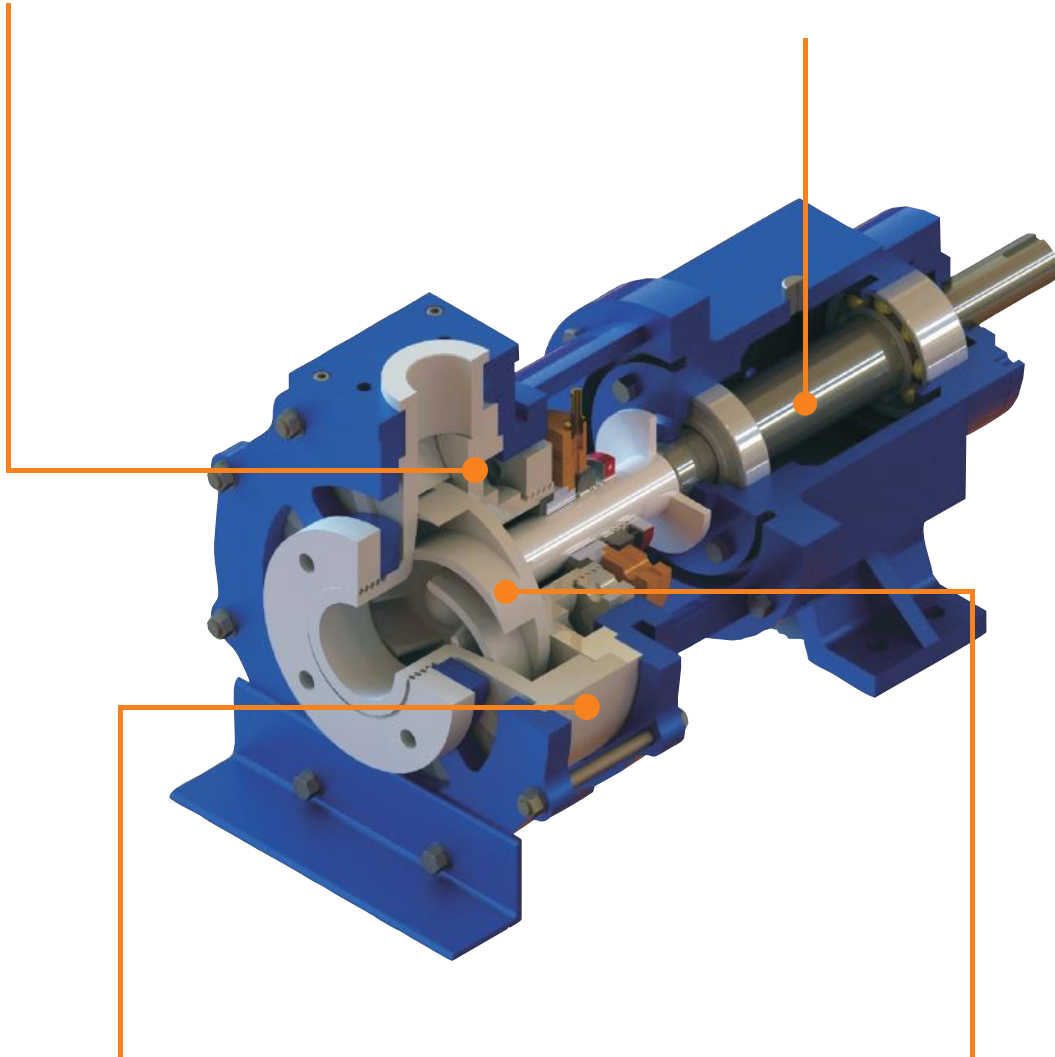
- ✓ Steel Plant, Pickling Plant, Scrubbing.
- ✓ High Temperature & Hazardous Toxic Chemical .
- ✓ Pharmaceutical Industries.

STUFFING BOX :-

- ✓ Thick-walled solid injection moulded polypropylene.
- ✓ Back pull out design provide safe, simple & quick assembly & disassembly of pump.

SHAFT & BEARING :-

- ✓ Heavyduty shaft design for minimum deflection.
- ✓ Maximum 0.05mm deflection at stuffing box at maximum load.
- ✓ Large capacity oil sump result in effective heat transfer for cooler bearings & extending bearing life.
- ✓ Telescopic arrangement for semi-open impeller enables adjustment of impeller front clearance to obtain optimum hydraulic performance
- ✓ Double O-ring seal between Bearing housing & lantern to prevent leakage of lubrication oil.



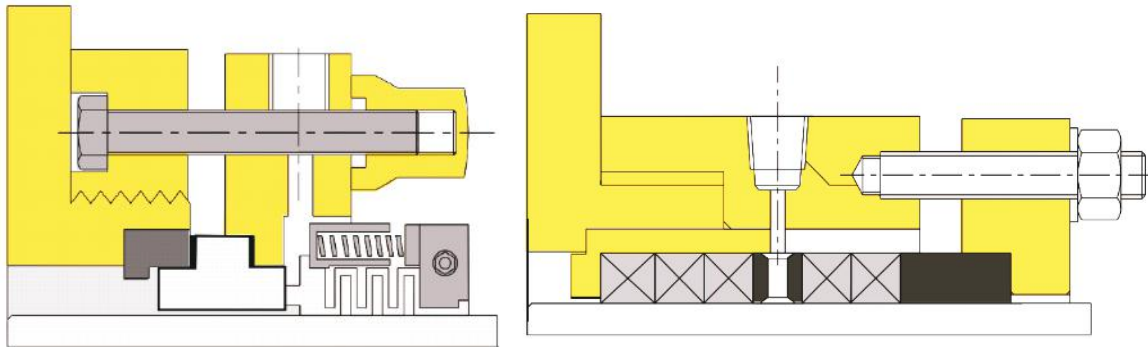
VOLUTE CASING: -

- ✓ Top centreline discharge, self-venting volute casing formed out injection moulded polypropylene.
- ✓ Thick wall polymer injection moulded.
- ✓ Flow optimum hydraulic design.

IMPELLER: -

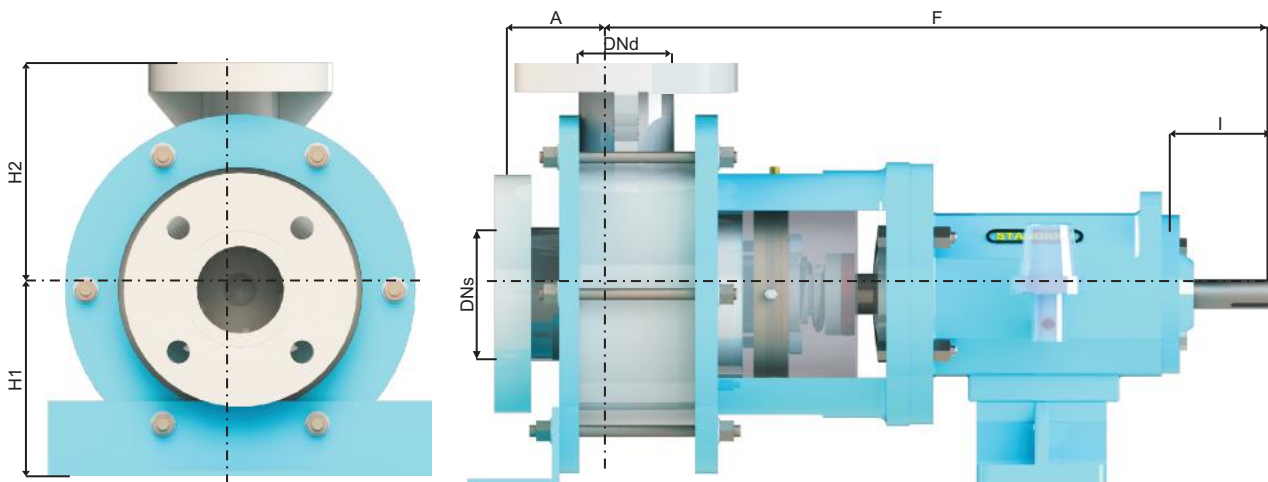
- ✓ All impellers are precision moulded, light in weight, semi open construction, with large contoured flow passages for maximum handling of the liquid.
- ✓ Hydro dynamically optimized semi-open radial impeller designed.
- ✓ Axial forces are balanced with blancing holes & back vanes.

MECHANICAL SEAL OPTION



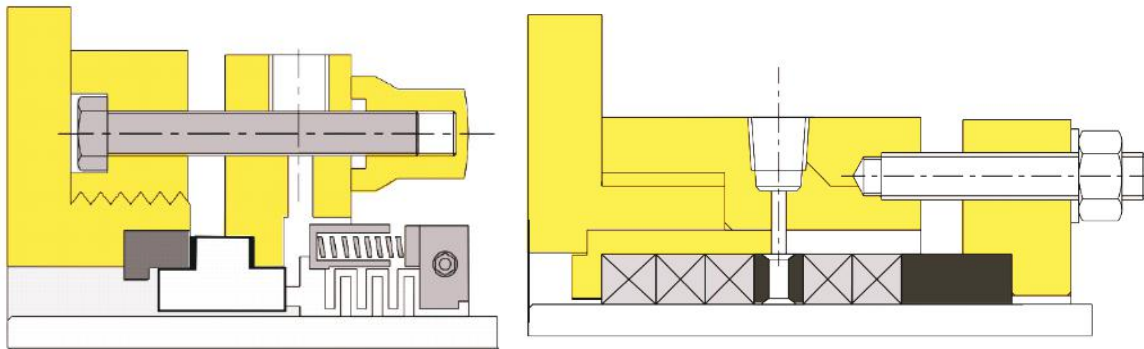
Single PTFE Bellow Seal Gland Packing

- ✓ Available in Single & Gland packing type seal option.
- ✓ PTFE bellows provide universal chemical resistance for a wide range of services.
- ✓ Gland packing pumps come with pure PTFE.



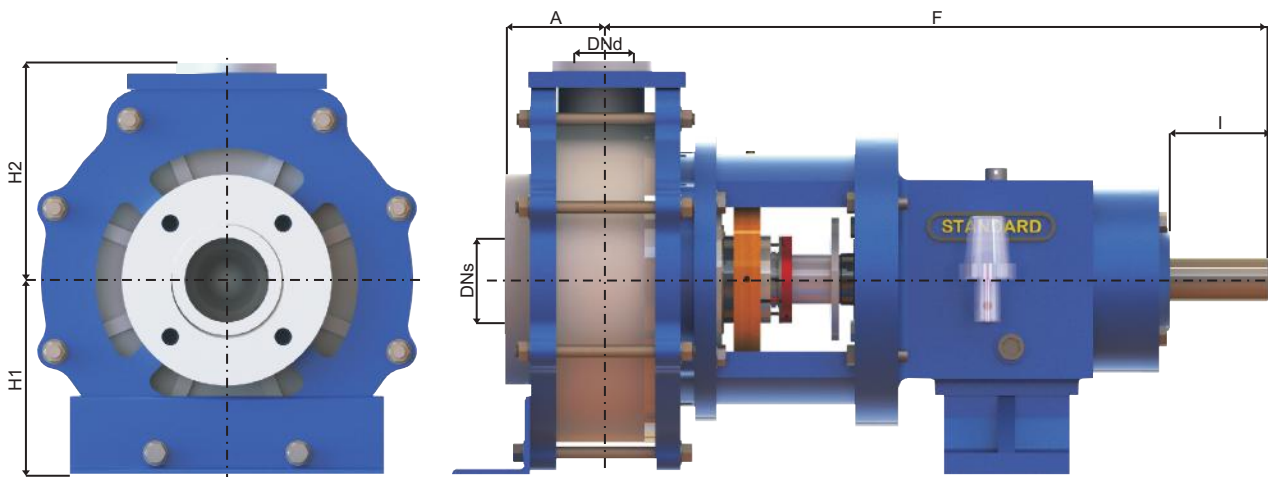
MODELS	PUMP DIMENSIONS						
	DNs	DNd	A	F	H1	H2	I
STP-100	25	25	79	301	100	140	41
STP-120	35	32	86	359	115	154	57
STP-130	35	32	98	363	130	180	59
STP-160	75	40	80	457	137	179	65
STP-160R	40	40	108	457	137	179	65
STP-170	75	50	98	456	160	195	66
STP-40	50	40	110	452	183	215	65
STP-50	75	40	103	456	183	220	67
STP-50R	40	40	132	456	183	220	67
STP-55	75	50	106	460	183	222	67

MECHANICAL SEAL OPTION



Single PTFE Bellow Seal Gland Packing

- ✓ Available in Single & Gland packing type seal option.
- ✓ PTFE bellows provide universal chemical resistance for a wide range of services.
- ✓ Gland packing pumps come with pure PTFE.



MODELS	PUMP DIMENSIONS						
	DNs	DNd	A	F	H1	H2	I
STPP-75	75	50	94	636	185	205	94
STPP-100	100	75	110	638	235	334	94
STPP-100R	75	50	110	638	235	334	94



Standard Equipment

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