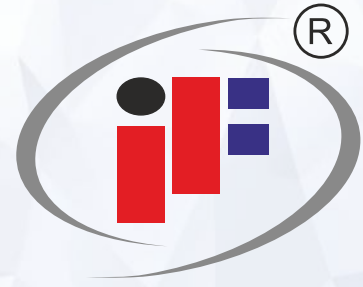


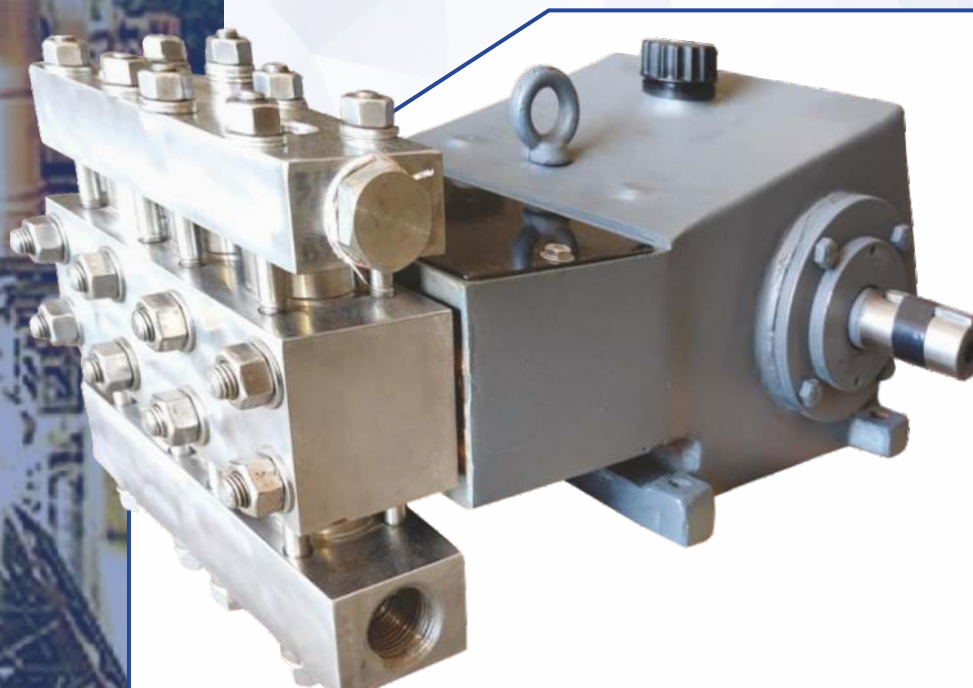
HIGH PRESSURE TRIPLEX Plunger Pumps

INDO-FORCE PUMP



**INDO-FORCE
PUMP**

**Continuous Duty
Performance &
Low Maintenance**



ISO 9001:2015 Certified Company

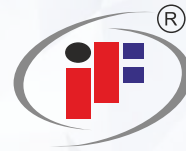


Our R&D team has designed, developed **"INDO FORCE"** high pressure triplex pump for continuous duty. **"INDO FORCE"** pumps always ensure trouble free operation.

Strict quality control is maintained at each stage of manufacture of **"INDO FORCE"** pumps to guarantee our client a satisfactory service hour after hour under severe service conditions.

"INDO FORCE" high pressure pumps never keeps you under pressure due to production loss.

INDO-FORCE PUMP

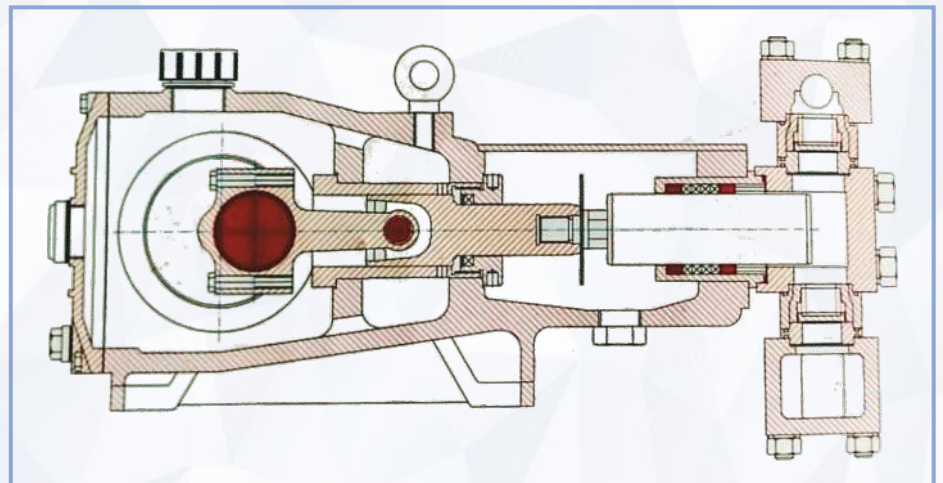


**INDO-FORCE
PUMP**

HIGH PRESSURE PUMP will never find you under pressure

Unique Features :

- Extra strong, heavy duty power frame ensures uninterrupted smooth long life.
- A wide variety of valves are available to suit different pumping fluids & applications.
- A three piece liquid and block design avoids any possibility of block cracking.
- spring loaded plunger packing always ensures leak free pumping service.
- Reversible valve seats double the normal life of valve seats thus become long lasting.
- Quite, Smooth operation.
- Totally dependable, reliable & efficient performance.
- Easy to maintain, simple to repair & nominal maintenance cost.





Power End

Power end of the "INDO FORCE" pump is manufactured of high quality material and design to match their rated horse power. All power ends are splash lubricated to achieve maximum life and minimum wear & tear of moving components.

Crank Shaft

Crank shaft is fully machined from bar stock or cast ductile iron ground & hardened supported by heavy duty tapered roller bearings.

Connecting Rod

Connecting rod is made out of forged steel with renewable bearings and bush for a long trouble free operation.

Cross Head

Cross head is manufactured in graded cast iron with large guide & extension rod.

Capability

Capacity : up to 500 L/min.
Pressure : up to 700 kg/cm²
Temperature : up to 150°C

Applications

- Reverse Osmosis
- Boiler Feed
- Spray Dryer
- Jet Cleaning
- Hydro Testing
- Food Processing
- Chemical Injection
- Drain & Sewer Cleaning
- High Pressure Homogenizing
- many more

Liquid End

"INDO FORCE" offers a unique 3 piece block for high pressure and for easy maintenance. Our long practical experience in selecting right material for the liquied end assembly has become an important factor to achieve pumping efficiency and long life.

A large variety of materials available with "INDO FORCE" to choose a right combination for their suitability to handle different liquids.

Material options like SS 316, SS 316L, SS 304, SS 304L, SS410, SS Duplex, Alloy 20 hastally-C, Rubber, PTFE, Nylon etc. are available.

Pump Valve

A variety of valve types can be offered for different liquid characteristics such as :

- **Ball Valve**
Suitable for high viscosity liquids, slurry etc. & also where the pumping speed is quite low.
- **Plate Valve**
This is suitable for high flow, high speed & clean liquids Renders quite & smooth operation.
- **Wing Valve**
Suitable for high pressure low viscosity liquids.

Plungers

Much of the options are available as regards to plunger surface coating is concerned for the long life of plunger and packing.

Available Options

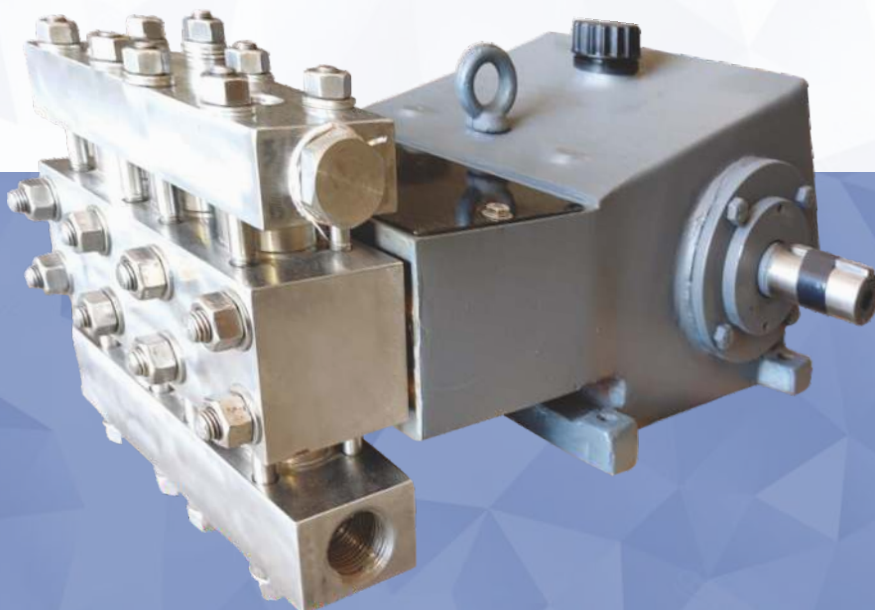
- Ceramic coating
- Colomnoy coating
- Hard chrome plating
- Stainless Steel

Plungers Packings

Much of the options are available as regards to plunger surface coating is concerned for the long life of plunger and packing.

Available Options

As a standard practive spring loaded packings are provided for long life and minimum friction. These packings are self adjusting type. Rubber chevron type Braided impregnated rope type
Provision for gland flushing is also available.



CAPACITY SELECTION TABLE

Model	Plunger Diameter	Discharge Pressure	Flow Rate in LPM at Standard Strokes								
			250	300	350	400	450	500	550	600	650
IFT-100	(mm)	kg/cm2	250	300	350	400	450	500	550	600	650
	15	350	4	5	6	7	8	9	9.5	10	11
	19	250	7	8	10	11	13	14	15	17	18
	24	150	11	13	16	18	20	22	24	27	29
	28	110	15	19	21	24	28	30	34	37	40
32	75	20	24	28	32	36	40	44	48	52	
IFT-210	(mm)	kg/cm2	250	300	350	400	450	500	550	600	650
	15	645	5	6	7	8	9	10	11	12	13
	19	402	8	10	11	13	15	17	18	20	22
	23	274	12	15	17	20	22	25	27	30	32
	28	170	18	22	26	29	33	37	40	44	48
32	130	24	29	33	38	43	48	53	58	62	
36	105	30	36	42	48	55	60	67	73	79	
40	85	37	45	52	60	67	75	85	90		
44	70	45	54	63	72	82	91	100			
IFT-280	(mm)	kg/cm2	250	300	350	400	450	500	550	600	650
	15	700	7	8	9	11	12	14	15	18	17
	19	635	11	13	15	18	20	22	24	26	29
	22	474	15	18	21	24	27	28	32	35	38
	26	339	20	25	29	33	37	41	45	50	54
30	255	27	32	38	44	50	55	61	66	72	
36	155	40	48	56	64	72	80	87	95	103	
40	125	49	59	69	79	88	98	108	118	123	
44	105	59	71	83	95	107	119	131	143	155	
50	80	77	92	107	123	138	154				
54	70	89	107	125	143	161	179				
58	60	103	124	145	165	186	207				
IFT-385	(mm)	kg/cm2	250	300	350	400	450	500	550		
	22	620	17	21	24	28	31	35	38		
	26	445	24	29	34	39	44	49	54		
	30	335	32	39	46	52	59	65	72		
	34	260	42	50	59	67	75	84	92		
38	210	52	63	73	84	94	105	115			
50	120	91	109	127	145	163	181				
54	105	105	127	148	150	190	212				
58	90	122	148	171	195	220	244				
64	75	149	178	208	238	266					
68	65	158	201	235	269	302					
72	80	188	226	264	301	339					
IFT-700	(mm)	kg/cm2	250	300	350	400	450	500	550	600	650
	26	800	38	45	53	60	68	75			
	30	450	50	60	70	80	90	100			
	34	350	64	77	90	103	116	129			
	38	280	80	97	113	129	145	161			
42	230	98	118	138	158	177	197				
46	202	118	142	165	189	213	236				
50	168	140	168	195	223	251	279				
54	144	163	195	228	261	293	326				
58	125	188	225	263	301	338	376				
62	109	215	258	301	344	387	430				
66	96	243	292	341	380						
70	86	274	329	363	438						
74	77	306	367	428	490						
78	69	340	408	476	544						

Note : All performance ate relevant to water at 200C (880F) and based on 95% volumetric efficiency are intended to be used for preliminary purpose. The RPM shall be selected on the basis of viscosity, specific gravity, abrasiveness, vapour pressure, temperature and NPSH available. Feel free to contact INDO FORCE PUMP for any assistance.



REAL INDUSTRIES

**B-30, Saundarya Industrial Park,
Nr. Mizan Motor Waybridge, Gatral - Bakrol Road,
Bakrol Bujarang, AHMEDABAD-382 430 (INDIA)**

☎ (+91) 99982 86760, 99044 30375

✉ realindustries2012@yahoo.com, info@indoforcepump.in

🌐 www.indoforcepump.in