



"NSP" SERIES

APPLICATION

Public utilities :

- For pumping muddy water, sewage, polluted liquids, solid and in swimming pool.
- Dewatering Basements, Trenches, Construction sites.
- Onboard shift, as bilge, for desk wash & engine cooling.

Industrial :

- Petroleum product, Ceramic product Chemicals, Thermal plants etc.
- Tiles & Marble factories, effluent plants.

Marine Works :

- Handling liquids from docs, ports and vessels etc.

Salvage Operations :

- Fire fighting.

Mobile Machinery :

- Cooling water for marine engines & shovels.
- Any application where priming is to be avoided.

SELF PRIMING-CENTRIFUGAL



FEATURES

- Excellent quick automatic priming action without foot valve up to 8 mtrs.
- Automatic air release during priming.
- Back pull design, so easy to maintain without disturbing pipe lines.
- Dynamically balanced rotating parts ensures less vibrations.
- Better efficiency because of good hydraulic design.
- Non-clog impellers to handle solid particles up to 16 mm.
- Minimum parts, fast repairing at low cost, Also pump is available at an economical rate.
- Available in Bare, Coupled, Monoblock, Belt driven & Engine driven version.
- Also offered pump with trolley / trailer to move it from one place to another.
- Graded casting & perfect machining of all components ensure long life.
- ABLE TO OFFER PUMPS WITH CLOSED IMPELLERS FOR CLEAR LIQUIDS.
- Monoblock pumps can withstand wide voltage fluctuations.
- Less expensive & easily available spares.
- Pumps can be fitted with mechanical seal as per customer's requirement

MATERIAL OF CONSTRUCTION

- **Casing** : Cast Iron / SS-304 (CF-8), SS-316 (CF-8M) / Alloy-20
- **Impeller** : Cast Iron /CF-8 CF-8M/Bronze
- **Diffuser** : Cast Iron/CF-8M/Bronze
- **Shaft** : EN-8/SS 304/SS 316
- **Sleeve** : SS-410/SS 304/SS 316/Bronze

- **Bearing Housing** : Cast Iron
- **Sealing** : Tiwa/Carbon - Ceramic seal
TC-TC Seal





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WATER RATING CHART

MODEL	HP RPM	PIPE SIZE	TOTAL HEAD IN METERS																	SOLD HANDLIN	
			6	8	10	12	14	15	16	18	19	20	22	24	25	26	28	30	32		34
			DESCHARGE (LITERS PER SECOND)																		
NSP-0	1.0 X 2900	40 X 40	4	2.8	2	1.5	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	7.0
NSP-1	2 X 2900	40 X 40	-	5.7	5	4	3	2.6	2	0.5	0	-	-	-	-	-	-	-	-	-	8.5
NSP-2	3 X 2900	50 X 50	-	10	9.0	8.0	7.0	6.5	5.9	2	1	0.5	0.3	0	-	-	-	-	-	-	10.5
NSP-3L	5 X 1450	80 X 80	18.0	16.6	13.5	12	9	4	-	-	-	-	-	-	-	-	-	-	-	-	7.0
NSP-3A	5 X 2900	80 X 80	-	-	-	-	-	-	-	-	-	6.2	5.5	5.2	4.9	3.9	3.2	2.9	1	-	14.5
NSP-3	7.5 X 2900	80 X 80	-	-	-	-	-	-	14	13.5	13.1	13	12	11	10	9.4	7.7	6.9	6.1	5.5	14.5

**Performances are at 2900 RPM, 50 Hz and tested with Clear Water.
Note : Special Pumps for Higher Capacity and Head available on request.**

