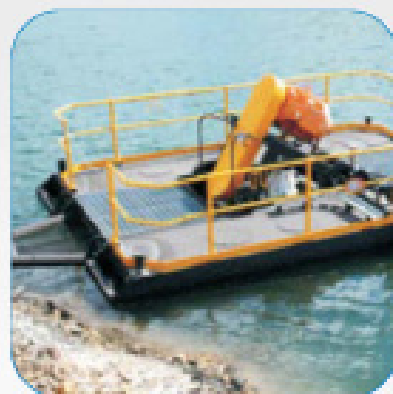
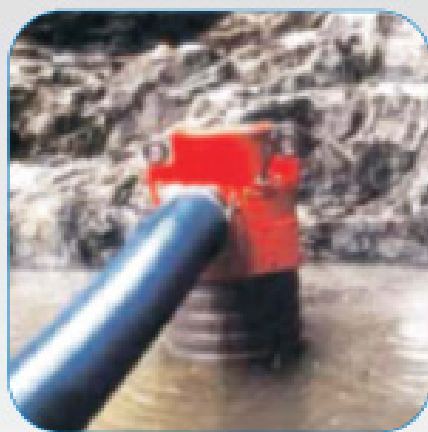


# ATALANTA™

## Submersible Dewatering Pump



## INTRODUCTION

Established in 1973, Protecto Engineering Private Limited is a well known name in the field of SUBMERSIBLE PUMPS.

ATALANTA SUBMERSIBLE PUMPS have been well accepted in the local market and in UAE, ETHIOPIA, ALGERIA, KENYA etc. Vast experience in this field is supported by the state of art manufacturing facility at Chakan, Dist. Pune Maharashtra.

**Protecto has ISO 9001-2008 certified Manufacturing and service facilities empanelled with ONGC and registered with N.S.I.C for Submersible Pumps up to 150 HP.**

## DEWATERING PUMPS

ATALANTA SUBMERSIBLE DEWATERING PUMPS manufactured using best of materials with stringent Quality Assurance and Testing Arrangements assures a product that can be relied upon in most demanding situations in MARINE APPLICATIONS, MINES, CONSTRUCTION SITES, HEAVY INDUSTRIES etc.

PSD – 1SP10 to PSD – 15170 models cover a range from 1.0 HP to 15 HP. These are Light Weight, Compact, Handy and Sturdy pumps used in the above fields as well as various other areas where efficient and reliable portable pumps are needed.

These have motor windings in water tight stator housing with double mechanical seals in wholly enclosed pressure compensated oil chamber. Thermistars are provided in each phase and are connected through a multi core cable to the control panel. Vital parts including lifting handle are in SS-304 ensuring long life.

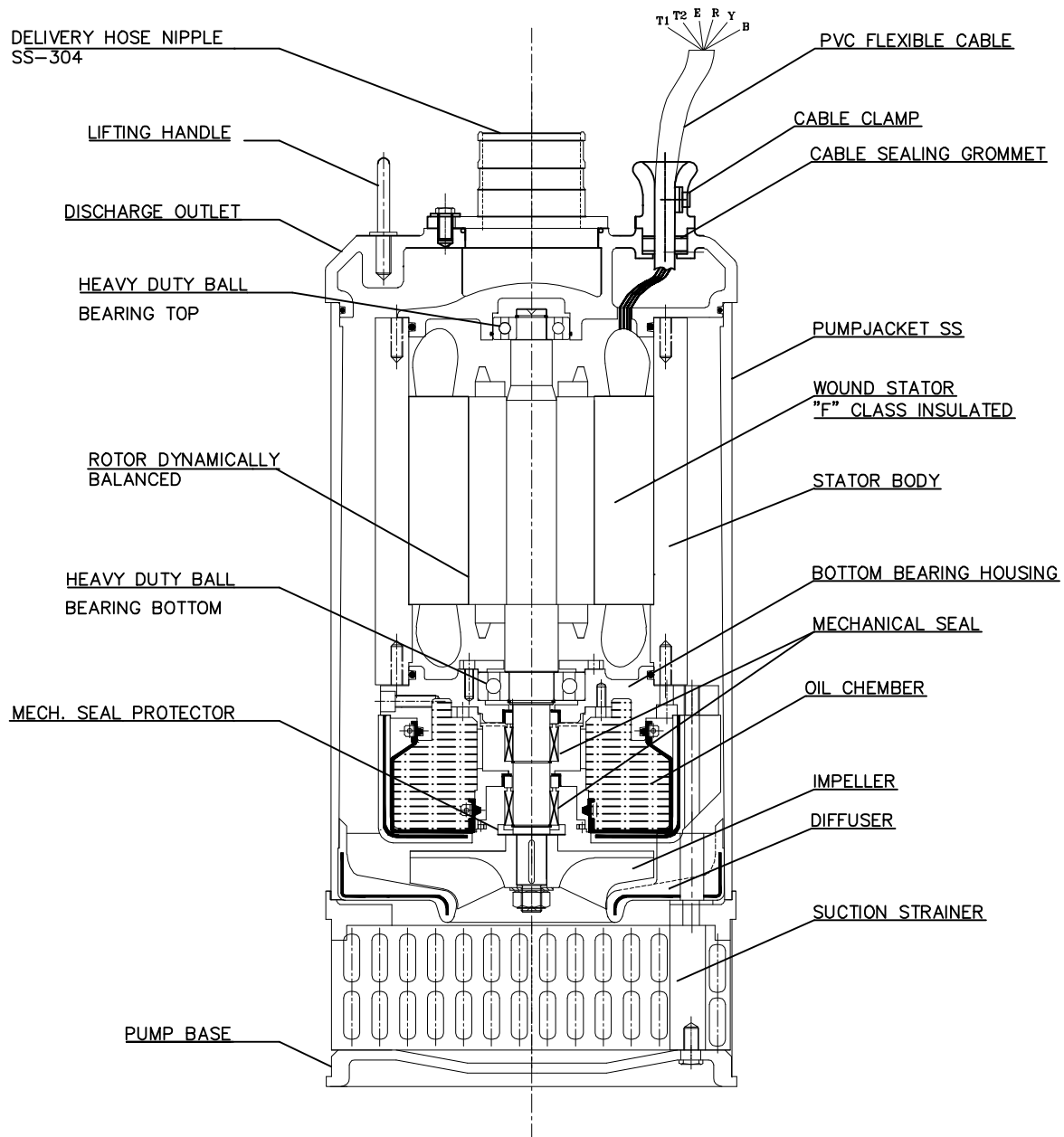
Field adjustable nitrile rubber lined Diffuser/ Wear Plate optimizes efficiency throughout the life of the pump.

Impellers can also be provided in CF8M/316L Stainless Steel for sea water and corrosive applications and Nitride hardened 410 Stainless Steel for pumping liquids containing abrasive particles.

Pumps are individually tested to check performance in accordance with relevant BIS standards.

MODEL	POWER HP	HEAD	DISCHARGE
➤ PSD – 1SP10	1.0Hp	8 Mtrs.	10 Cu. M /hr
➤ PSD – 1.5SP15	1.0 HP	10 Mtrs.	15 Cu. M /hr
➤ PSD - 1H515	1.5 HP	12 Mtrs.	15 Cu. M / hr
➤ PSD - 320	3.0 HP	14 Mtrs.	20 Cu. M / hr
➤ PSD – 540/548	5.0 HP	15 Mtrs.	40/48 Cu. M / hr
➤ PSD - 7H560	7.5 HP	15 Mtrs.	60 Cu. M / hr
➤ PSD - 10105	10.0 HP	15 Mtrs.	105 Cu. M / hr
➤ PSD - 15170	15.0 HP	16 Mtrs.	170 Cu. M / hr

# ATALANTA SUBMERSIBLE DEWATERING PUMP



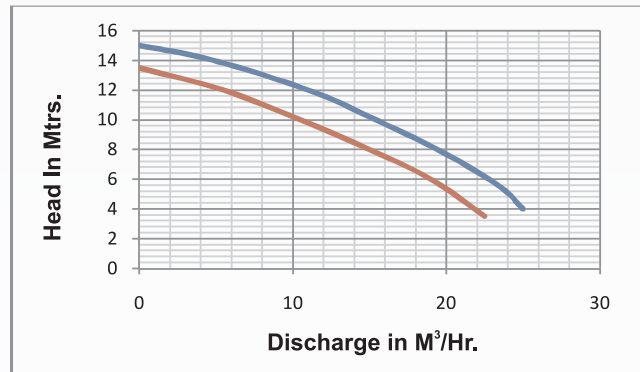
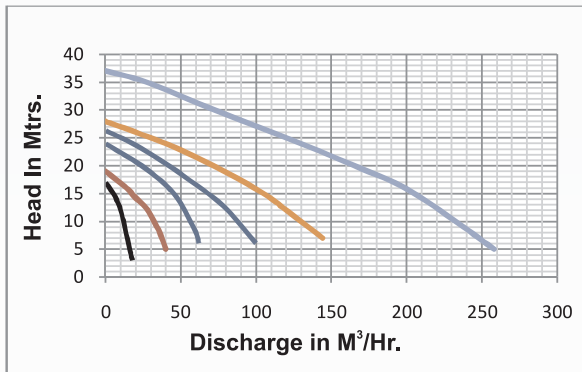
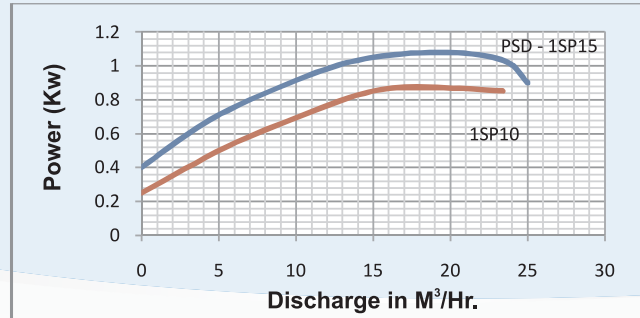
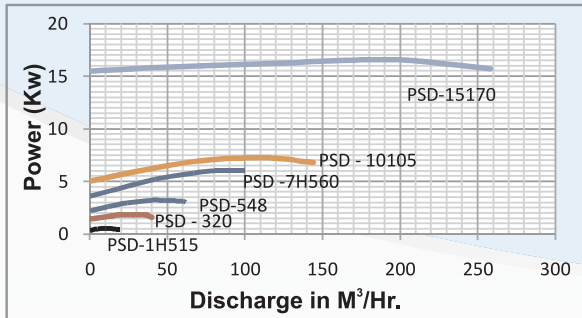
## MATERIAL OF CONSTRUCTION

<u>MAJOR PARTS</u>	<u>STANDARD MATERIAL</u>
Discharge Outlet, Stator Body, Bearing Housing, Pump Base.	AL. Gr. LM-6
Suction Strainer , Pump Jacket	SS 304
Mechanical Seal	Double Mechanical. Seal TC/TC
Impeller	CF8
Diffuser, Oil Bag, Oil Bag Cover.	Nitrile Rubber
Pump/Motor shaft	SS 431
Hose Nipple	SS 304
Hardware	SS 304

**3 Ph.**

**PUMP PERFORMANCE**

**1 Ph.**



Model	PSD - 1SP10	PSD- 1.5 SP15	PSD- 1H 515	PSD- 320	PSD- 548	PSD- 7H560	PSD- 10105	PSD- 15170	
<b>Max. Discharge</b>	22.5m3/hr, 375 Lpm.	25m3/hr, 415 Lpm	18m3/hr, 300 Lpm	40m3/hr, 665 Lpm	65m3/hr, 1085 Lpm.	100 m3/hr/ 1670 Lpm.	144m 3/hr 2400 Lpm.	258 m 3/hr 4300 Lpm.	
<b>Operating Head Range</b>	12 – 4 Mtrs	14 – 4 Mtrs	15 – 4 Mtrs	16 – 8 Mtrs	20 – 5 Mtrs	21 – 5 Mtrs	25 – 8 Mtrs	30 – 5 Mtrs	
<b>Max. Operating Temp.</b>	40°c Ambient								
<b>Immersion Depth</b>	6 Mtrs.	6 Mtrs.	6 Mtrs.	10 Mtrs.	10 Mtrs.	10 Mtrs.	10 Mtrs.	10 Mtrs.	
<b>Operating Supply</b>	220C +/-6% 1PH, 50 Hz			415V+/-6% 3Ph, 50Hz					
<b>Kw./H.P Rating</b>	0.74/1.0	1.1 /1.5	1.1 /1.5	2.2/3.0	3.7/5.0	5.5/7.5	7.5/10.0	11.0/15.0	
<b>Max. Current</b>	6.5 Amps	8.4 Amps	2.25 Amps	4.5 Amps	7.5 Amps	11.0 Amps	15.0 Amps	24.0 Amps	
<b>Operating Speed</b>	2850 Rpm								
<b>Class of Insulation</b>	'F' (Max Cut off Temperature 110° c Above Ambient)								
<b>Cable P.V.C. Insulated</b>	1x4x1.5 sq.mm		1x6x2.5 sq.mm				1x6x4.0 sq.mm	1x6x6.0 sq.mm	
	If Needed cable can be supplied in 4 Core								
<b>Outlet Connection</b>	1.5"	1.5"/2"	1.5"/2"	3"	4"	4"	4"	6"	
<b>Motor Protection</b>	Thermister & Over load Protection								
<b>Protection Class</b>	IP 68								
<b>Weight With 5 Mtrs Cable</b>	18 Kg.	20 Kg.	16 Kg	30 Kg.	52 Kg.	62 Kg.	67 Kg.	85 Kg.	

**PROTECTO ENGINEERING PVT. LTD**

G - 7 Bhadran Bhavan, 32 Nanabhai Lane,  
Fort Mumbai - 400 001. India.

Tel. : +912266101715 / Fax: +912266101716

Email: info@atalantaindia.com

Website: www.atalantaindia.com