





## HORIZONTAL NON-CLOG SELF PRIMING PUMP (VSPM SERIES)



# "VIRAJ"Non-Clog Self Priming Centrifugal Pump (VSPM Series)

The VSPM Series is designed in self-priming centrifugal non clog horizontal pump of mono block and only pump construction, This series pump are available with various type of Impeller as per customer's application like Two Vane Impeller, Free flow type Impeller, Semi Open non-clog type, High head etc.

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MODEL	SIZE in mm	HEAD IN METERS													НР	RPM	DRIVE	SOLID
			6	8	10	12	14	15	18	20	24	25	26	28				mm
1VSPM5	25 x 25		1.7	1.3	0.9										0.5	2850	Motor	5
1.5VSPM7	40 x 40		4.5	4.1	3.5	2.6	1.5	0.5							1.0	2850	Motor	7
1.5VSPM9	40 x 40				6.3	5.6	4.8	4.4	2.8	1.1					2.0	2850	Motor	8.5
1.5VSPM9	40 x 40				6.6	6.2	5.5	5.1	3.7	2.3					4.0	3000	Engine	8.5
2VSPM11	50 x 50	LPS				8.7	8.1	7.7	6.4	5.5	2.6				3.0	2900	Motor	10.5
2VSPM11	50 x 50	Z				9.1	8.6	8.2	7.1	6.4	4.0	3.2			4.3	3000	Engine	10.5
3VSPM16	80 x 80	=	19.6	18.7	18.0	16.2	14.0	12.1	5.2						5.0	1450	Motor	15.5
3VSPM16	80 x 80	Щ	20.1	19.8	19.0	17.5	15.6	14.1	8.6	3.4					5.0	1500	Engine	15.5
3VSPM16	80 x 80	AR(			24.0	23.2	22.8	22.5	20.7	18.9	13.7	11.9	10.1	6.0	10.0	1800	Engine	15.5
4VSPM23	100 x 100	DISCHARGE			36.0	33.8	31.2	30.0	25.5	22.5	12.1				10.0	1450	Motor	16.5
4VSPM23S	100 x 100	DIS			41.5	39.5	36.5	35.3	30.0	26.0	16.5	13.2	10.0		12.5	1450		23
6VSPM40	150 x 150				73.0	70.0	65.0	63.0	54.0	51.0	48.0				25.0	1450	Motor	40
			24	25	26	28	30	32	34		(HEAD	HEAD IN METER)						
3VSPM7	80 x 80		7.4	6.7	5.9	4.4	2.7	7							5.0	2850	Motor	7
3VSPM14	80 x 80				12.9	11.0	8.8	5.2	3.9						7.5	2850	Motor	14

NOTE :-

- ▶ Due to Continuous development in Product, The Data is Subject to change without notice.
- ▶ Above Mentioned Discharge is for clear cold fresh water.
- ▶ For Slurry application , One higher size HP motor should be used.

#### MATERIALS OF CONSTURCTION

BODY , BRG. HSG. FLANGE, CASINGETC GRADED CAST IRON

IMPELLER GRADED CAST IRON/S.S./MILD

STEEL/C.S. S.S./EN-8/EN-9

SHAFT S.S./EN-8/I

SLEEVE S.S. 410

Hard Ware UNBREAKO/M.S./S.S.

TYPE OF SEALING MECH.SEAL/GALND PACKING

Prime Mover Motor Engine

Rubber Part Nitrile Elstomers

GASKET RUBBER/CUS. REQ.

Surface Treatment Primer with Epoxy

or Air Dry Enamel

#### APPLICATION

\* Construction Site

\* Shipyards & Ship

\* Trenches

\* Public Utility Works

Mines raw water

\* Fire Fighting

\* Power Station

\* Aquaculture

\* Tunnels

\* Chemical/ Process Water

\* Flooded Cellar

\* Steel Plant

\* Rain Water \* Open sumps/ Ponds

\* Tank Cleaning

\* Hotel, Hospital & Airport

#### **ACCESSORIES**

\* BASE FARAME

\* COUPLING

\* MOTOR AND ETC

#### OPTIONAL DESIGN FETURES

\* Impeller Trim

\* Mono Block Type

\* Change in Material of construction

\* Optional Hydrolic Design

#### Features

- → Quick automatic self priming action
- Repairs possible without disturbing
- the pipe connections
- Non- Clogging impeller to handle suspended solids
- Portable when fitted on trolley /
- → Suitable for motor/Engine
- NO need for foot valve

- → Long life Due to replaceable wearing parts
- Dynamic balancing rotating Parts
- → Easy maintenance and spares available
- → Designed for automatic air release during priming
- Grease lubricated deep grove ball bearing



An ISO 9001: 2000 Company

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