Plastico®

PPVG SERIES

VERTICAL SEAL LESS GLANDLESS PUMPS

Advantage :

- First choice for effluent treatment plants since there are no mechanical seals / glands. May run dry due to absence of shaft seals. Lesser parts result in low maintenance time and costs.

Expeller :

- Solid injection moulded polypropylene expeller prevents liquid from going further up channelizing it through the outlet of the overflow chamber.

Backplate :

- The back plate is thick walled solid injection moulded from polypropylene.

Volute Casing :

- Top centerline discharge, self venting volute casing formed of thick injection moulded polypropylene.

Impeller :

- Impellers are precision moulded, light in weight, a semi open construction with large, contoured flow passages for maximum handling of the liquid.

Bearing Frame :

- Heavy cast iron construction. To accommodate vertical flange type motor & for a wall hung installation.

Ball Bearing :

- Single. Double row ball bearing is shouldered & locked on a shaft with locknut and washer, and in bearing housing to carry radially and any unbalanced thrust load.

Shaft :

- The shaft is made of En Steel protected with a polypropylene sleeve dose not come in contact with process media.

Overflow Chamber :

- Large injection moulded polypropylene chamber guide's excess liquid back to the sump eliminating the need for a shaft seal.

Design

Horizontal, radically split, one piece volute casing design, fitted with a semi open impeller, single entry single stages. Following standards of PIN 24256 / ISO 5199.

Material of Construction

Casing, Impeller, Back Plate	:	PP/GRP / UHMWPE / PVDF
Shaft Sleeve	:	GRP / Ceramic / ALLOY-20 / Hast Alloy B/C
Bearing Bracket	:	C.I. GRFG-26
Shaft	:	SS / EN 9
Bearings	:	Double ball bearing

:: PERFORMANCE CHART ::

MODEL NO .	SUCTION IN MM	DELIVERY IN MM	HP	RPM	HEAD IN METER / FLOW IN M^3 / HR						IMPELLER DIA IN MM
PPVG-100	25	25	01	2900	12 00	10 02	09 05	07 08	06 11	04 13	100
PPVG-120	40	32	02	2900	17 00	15 05	13 10	11 13	07 19	05 22	120
PPVG-160 R	40	40	03	2900	23 00	20 05	18 10	15 15	12 25	08 25	145
PPVG-160	75	40	05	2900	30 00	27 05	25 10	20 20	15 30	10 35	160
PPVG-170	75	50	7.5	2900	35 00	32 10	25 30	20 40	15 45	10 50	160
PPVG-40	75	40	12.5	2900	45 00	40 10	38 25	35 30	30 35	25 40	195

Note : Performance applicable to liquid of specific gravity 1 and viscosity as of water.