

# APLS

# APVS



## APPLICATIONS

- Waste drainage for industries.
- Sanitary sewer, single and multifamilies drainage.
- Water drainage for chemical, pharmaceutical and metal processing factory.

## FEATURES

- This series is suitable for mildly corrosive applications.
- Reliable structure design, dry motor, double mechanical seals, equipped Auto Cut protector, stainless steel pump casing and motor frame, acid-resistant Silicon carbide seals.

## VITON O-RING

Viton O-rings are utilized in the joints of the pump to provide better protection against corrosive substance and aggressive media.

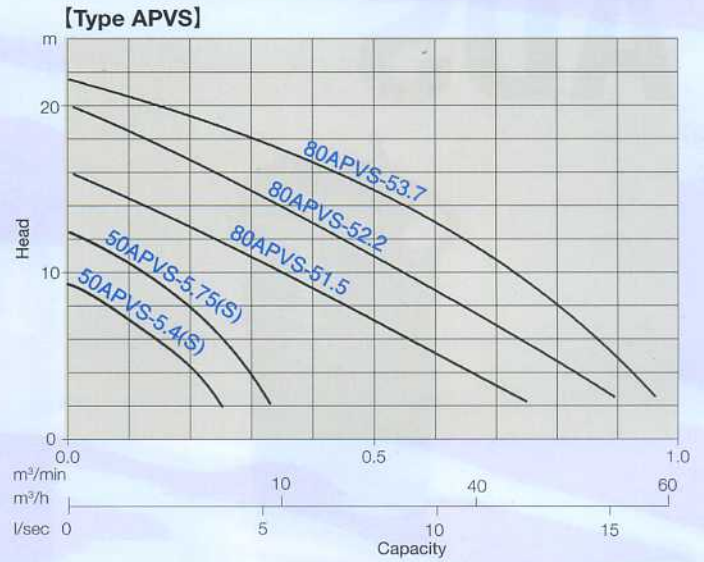
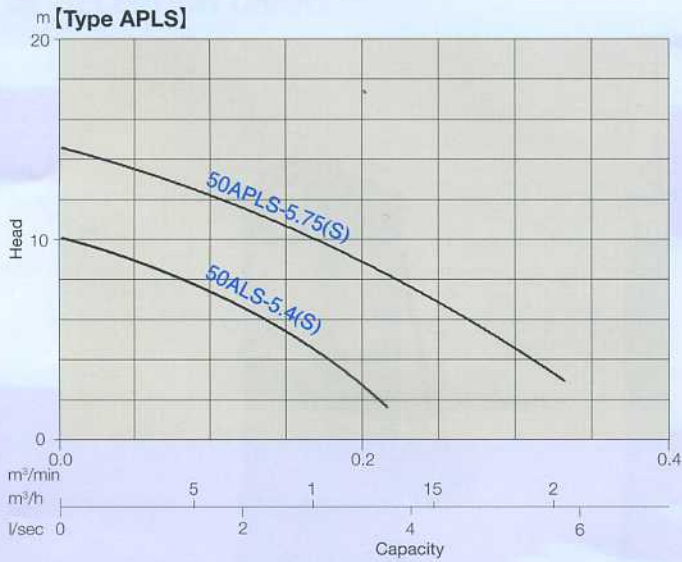
## INVESTMENT CASTING

Advanced Investment Casting (Lost-Wax Casting) is employed for the manufacture of the stainless steel components of the pumps to effectively reduce the sand hole created by conventional casting method and also give the smooth texture and pleasing appearance.

## SPECIFICATION

APPLICATION	DISC.DIAMETER (mm)	50 · 80
	LIQUID TEMP	0~40℃
	APPLICATION	Acid / Alkaline / Corrosive Liquid between PH 5~11
	MAX DEPTH	30M
STRUCTURE	IMPELLER	Vortex (APVS), Semi-Open (APLS)
	M.SEAL	Double mechanical Seals
	BEARING	Ball Type Bearing
MATERIAL	UPPER COVER	SUS-304 / SUS316
	FRAME	SUS-304 / SUS316
	CASING	SUS-304 / SUS316
	IMPELLER	SUS-304 / SUS316
	M.SEAL	SIC/SIC-CA/CE Flourine
	SHAFT	SUS316
	CABLE	VCT · HVCT
MOTOR	TYPE	Dry & High-Efficiency Motor
	INSULATION	B Class
	FREQUENCY	50 Hz
	PROTECTOR	Auto-Cut

## SELECTION CHARTS



## PERFORMANCE SPECIFICATION

### [Type APLS]

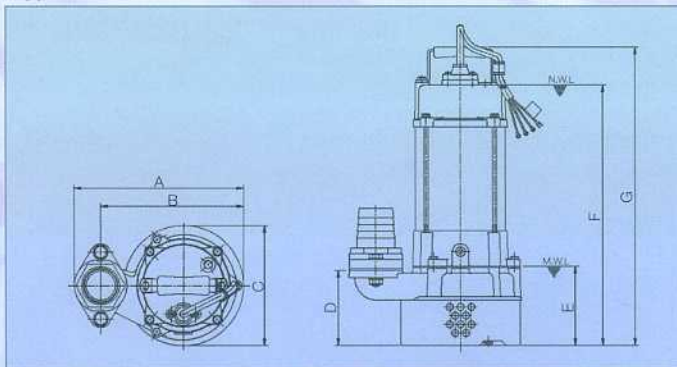
Pole P	Impeller Type	Dis. mm	Output kW	Phase $\phi$	Start Method	Model	Capacity m³/min	Total Head m	Solid passage mm	Weight kg
2	Vortex	50	0.4	1	Capacitor	50APLS-5.4S	0.12	7	8	16
				3	Direct	50APLS-5.4	0.12	7	8	15
			0.75	1	Capacitor	50APLS-5.75S	0.17	10	8	18
				3	Direct	50APLS-5.75	0.17	10	8	17

### [Type APVS]

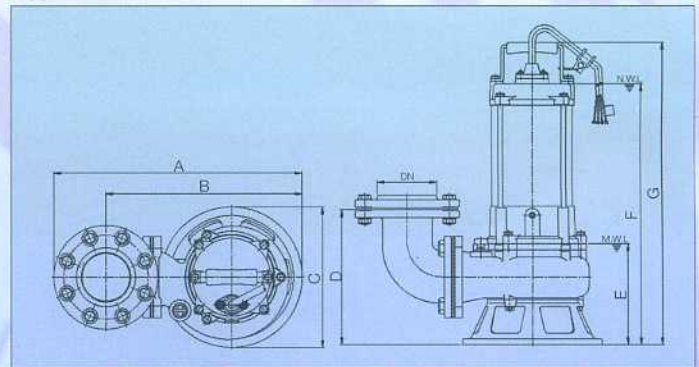
Pole P	Impeller Type	Dis. mm	Output kW	Phase $\phi$	Start Method	Model	Capacity m³/min	Total Head m	Solid passage mm	Weight kg
2	Vortex	50	0.4	1	Capacitor	50APVS-5.4S	0.15	6	35	14
				3	Direct	50APVS-5.4	0.15	6	35	13
			0.75	1	Capacitor	50APVS-5.75S	0.2	8	35	16
				3	Direct	50APVS-5.75	0.2	8	35	16
	Semi-open	80	1.5	3	Direct	80APVS-51.5	0.45	8	35	36
			2.2	3	Direct	80APVS-52.2	0.6	9	32	41
			3.7	3	Direct	80APVS-53.7	0.5	15	56	47

## DIMENSIONS

### [Type APLS]



### [Type APVS]



### [Type APLS]

MODEL	DN	A	B	C	D	E	F	G
50APLS-5.4S	50	245	207	174	109	115	385	439
50APLS-5.4	50	245	207	174	109	115	385	439
50APLS-5.75S	50	245	207	174	109	115	385	439
50APLS-5.75	50	245	207	174	109	115	385	439

### [Type APVS]

MODEL	DN	A	B	C	D	E	F	G
50APVS-5.4S	50	237	199	154	99	109	372	427
50APVS-5.4	50	237	199	154	99	109	372	427
50APVS-5.75S	50	237	199	154	99	109	372	427
50APVS-5.75	50	237	199	154	99	109	372	427
80APVS-51.5	80	441	348	250	241	180	465	538
80APVS-52.2	80	441	348	250	241	180	490	583
80APVS-53.7	80	453	360	216	192	160	499	572