

# FLUOROPLASTIC CENTRIFUGAL PUMP PSB & PSB(D) SERIES

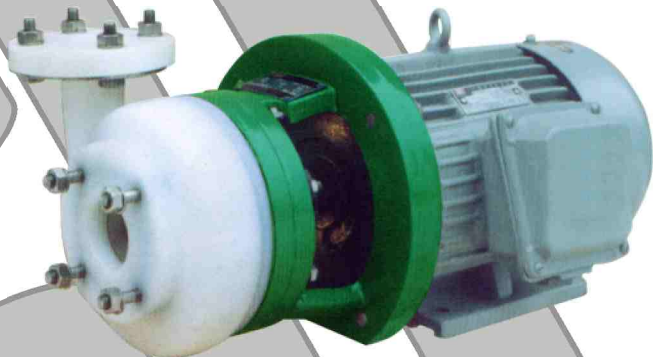
## ◆ APPLICATION

The pickling and painting process in automobile manufacturing; the conveying of electrolyte in the melting of non-ferrous metals; the process flow for the treatment of chlorine water and effluent and acid feeding in the ion-exchange membrane item.

Operation temperature: -20°C ~ +95°C



PSB SERIES



PSB(D) SERIES

## ◆ FEATURE

With fluid-contact parts made totally with fluoroplastic-alloy, model PSB, PSB(D) centrifugal pumps have compact construction, and are simple in operation, while their price is low. Their pump cases, impellers, mechanical seals are interchangeable. They are popular in industries such as pesticides, electronics, and papermaking.



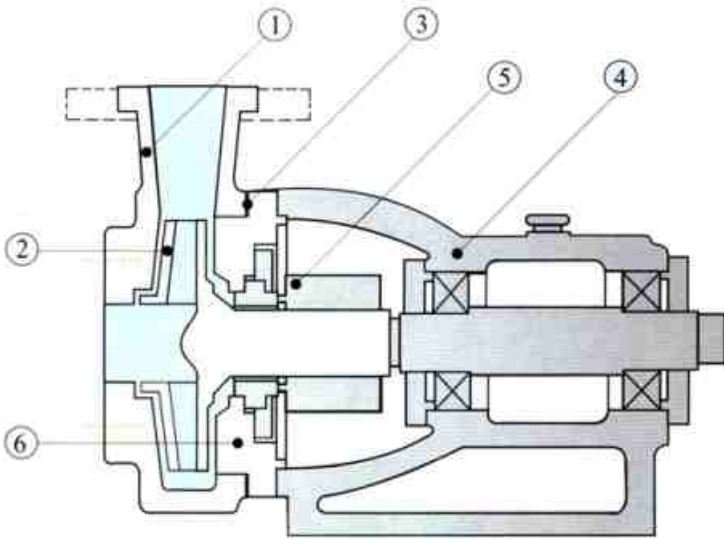
**THONG FATT JAYA MACHINERY HARDWARE SDN. BHD.**

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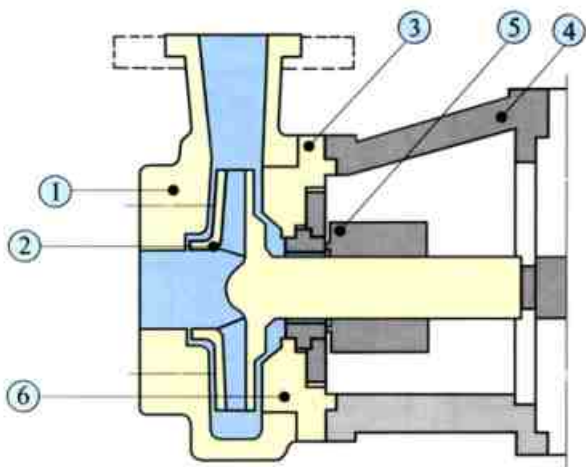
◆ **STRUCTURE AND MATERIAL**

**PSB MODEL**



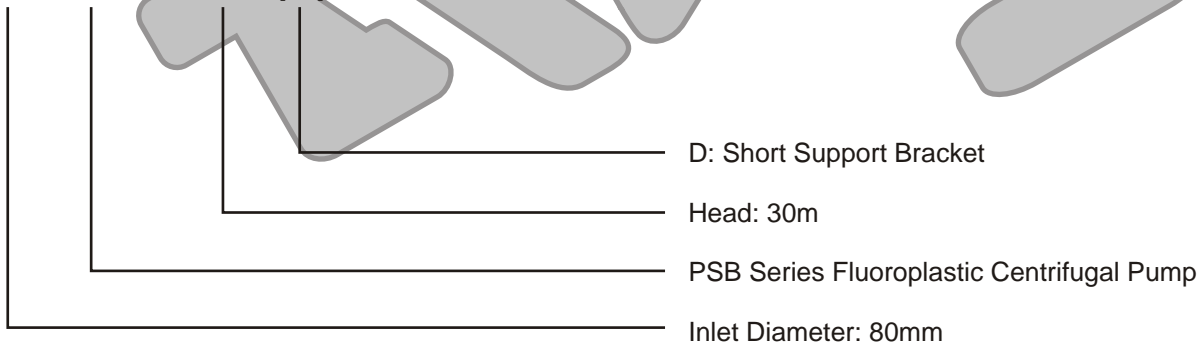
NO	PART NAME	MATERIAL
1	Pump Body	Fluoroplastics alloy
2	Impeller	Fluoroplastics alloy, 45# Steel
3	Adjusting Ring	Fluororubber
4	Support	HT200
5	Mechanical Seal	Polytetrafluoroethylene- aluminum oxide
6	Rear Cover	Fluoroplastic alloy, HT200

**PSB(D) MODEL**



◆ **PUMP KEY**

**80 PSB - 30 (D)**





# PSB & PSB(D) SERIES FLUOROPLASTIC PUMP

## ◆ SPECIFICATION DATA

### PSB MODEL

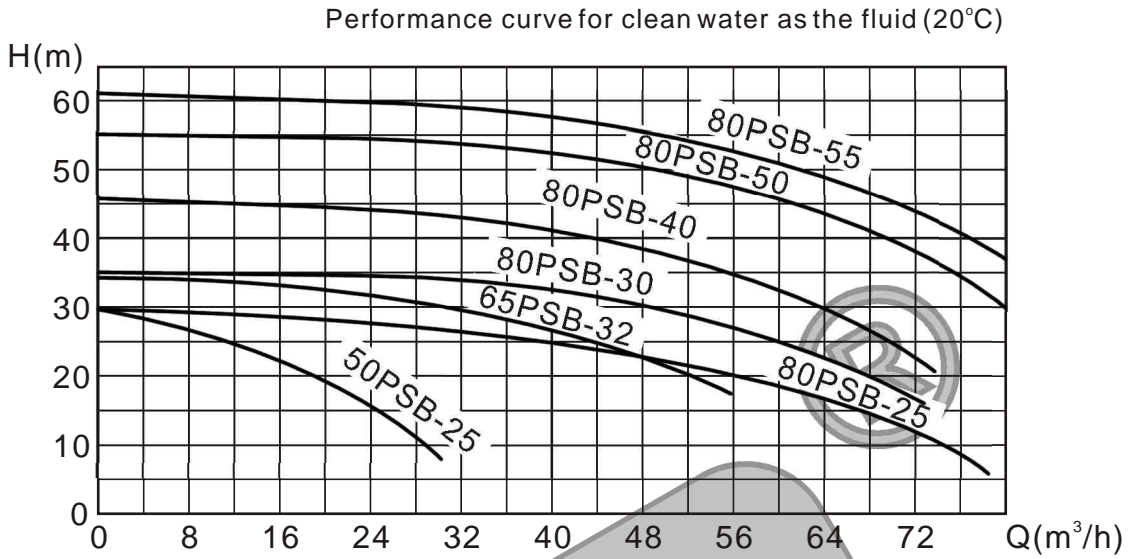
Model	Capacity (m <sup>3</sup> /h)	Head (m)	Inlet (mm)	Outlet (mm)	Power (Kw)		Speed (rpm)	NPSHr (m)	Efficiency (%)
					Shaft	Motor			
50PSB-25	12.5	25.0	50	32	2.0	3.0	2900	2.0	43
65PSB-32	25.0	32.0	65	50	4.8	5.5	2900	2.0	45
80PSB-20	50	20	80	65	4.7	5.5	2900	3.0	45
80PSB-25	42.0	25.0	80	65	5.7	7.5	2900	3.0	50
80PSB-30	50.0	30.0	80	65	6.9	7.5	2900	3.5	59
80PSB-40	45.0	40.0	80	50	10.2	11.0	2900	3.5	48
80PSB-50	50.0	50.0	80	50	11.9	15.0	2900	3.5	57
80PSB-55	50.0	55.0	80	50	13.5	18.5	2900	4.0	50
100PSB-32	100.0	32.0	100	80	11.9	15.0	2900	3.5	68

### PSB(D) MODEL

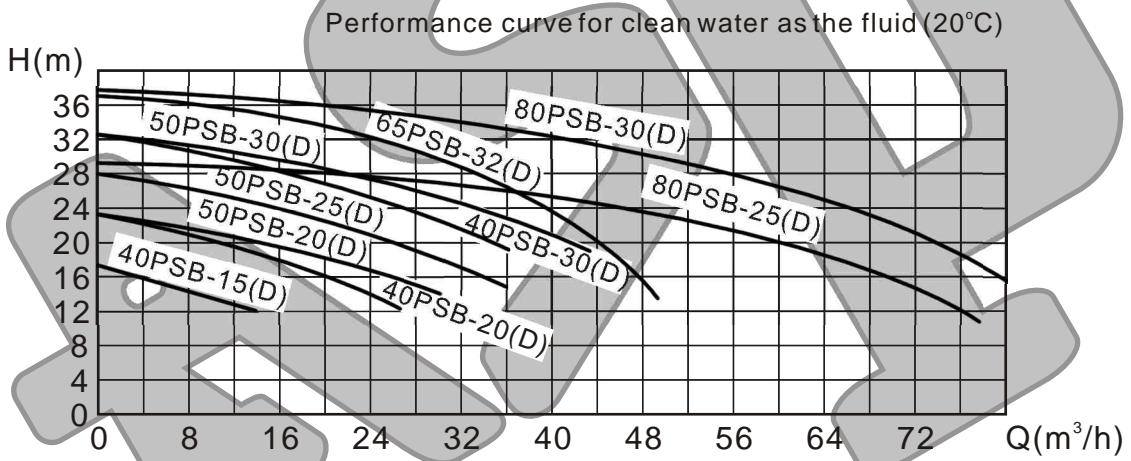
Model	Capacity (m <sup>3</sup> /h)	Head (m)	Inlet (mm)	Outlet (mm)	Power (Kw)		Speed (rpm)	NPSHr (m)	Efficiency (%)
					Shaft	Motor			
40PSB-15(D)	5.0	15.0	40	32	0.40	3.0	2900	3.0	40
40PSB-20(D)	10.0	20.0	40	32	1.16	3.0	2900	3.0	42
40PSB-30(D)	10.0	30.0	40	32	1.18	3.0	2900	3.0	52
50PSB-20(D)	12.5	20.0	50	32	1.49	3.0	2900	3.5	55
50PSB-25(D)	12.5	25.0	50	32	1.86	3.0	2900	3.5	55
50PSB-30(D)	15.0	30.0	50	32	1.90	3.0	2900	3.5	54
65PSB-32(D)	25.0	32.0	65	50	3.61	5.5	2900	3.5	65
80PSB-25(D)	42.0	25.0	80	65	3.8	7.5	2900	3.5	67
80PSB-30(D)	50.0	30.0	80	65	6.82	7.5	2900	3.5	68

◆ **PERFORMANCE CHART (2900RPM)**

**PSB MODEL**

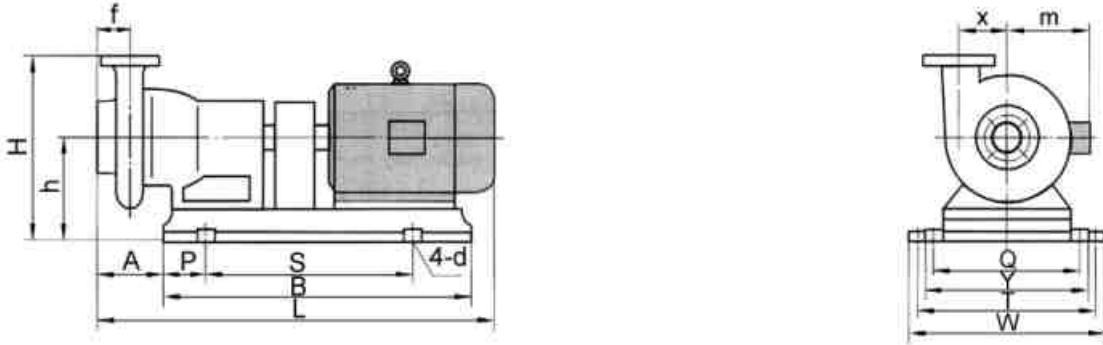


**PSB(D) MODEL**



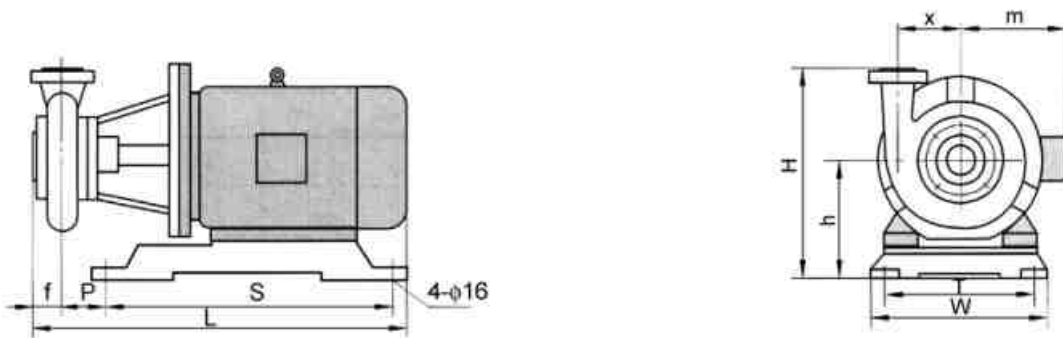
## ◆ INSTALLATION DIMENSION

### PSB MODEL



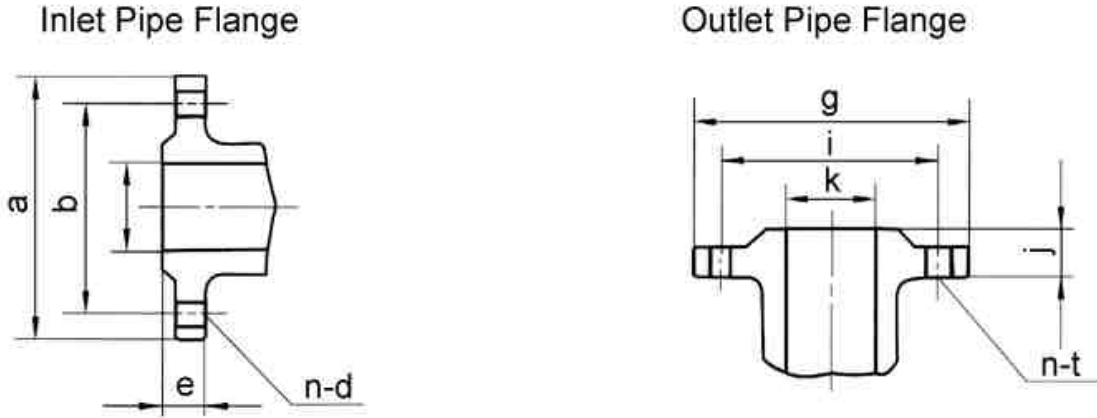
Model	Overall Dimensions (mm)														
	L	B	S	P	A	W	T	Y	Q	H	h	f	x	m	4-φd
50PSB-25	786	610	455	75	107	340	300	280	250	287	162	58	82	180	4-16
65PSB-32	940	725	480	130	142	370	330	290	250	347	197	74	95	210	4-16
80PSB-20	980	725	480	130	142	370	330	290	250	347	197	74	95	210	4-16
80PSB-25	980	725	480	130	142	370	330	290	250	347	197	74	95	210	4-16
80PSB-30	980	725	480	130	142	370	330	290	250	347	197	74	95	210	4-16
80PSB-40	1096	840	660	90	142	430	390	340	300	410	230	85	118	265	4-16
80PSB-50	1096	840	660	90	142	430	390	340	300	410	230	85	118	265	4-16
80PSB-55	1141	840	660	90	142	430	390	340	300	410	230	85	118	265	4-16
100PSB-32	1320	1270	840	215	142	490	440	490	440	500	280	100	118	265	4-24

### PSB(D) MODEL



Model	Overall Dimensions (mm)									
	L	S	P	f	W	T	H	h	x	m
40PSB-15(D)	500	310	150	40	220	170	260	140	85	180
40PSB-20(D)	500	310	150	40	220	170	260	140	85	180
40PSB-30(D)	500	310	150	40	220	170	260	140	85	180
50PSB-20(D)	480	310	150	45	220	170	260	140	82	180
50PSB-25(D)	480	310	150	45	220	170	260	140	82	180
50PSB-30(D)	480	310	150	58	220	170	260	140	82	180
65PSB-32(D)	660	330	140	60	290	240	327	177	95	210
80PSB-25(D)	660	330	140	60	290	240	327	177	95	210
80PSB-30(D)	660	330	140	60	290	240	327	177	95	210

## ◆ FLANGE DIMENSION



Model	Inlet Pipe Flange Dimensions (mm)					Outlet Pipe Flange Dimensions (mm)				
	c	a	b	e	n-φd	k	g	l	j	n - φt
40PSB-15(D)	40	130	100	18	4-11.5	32	112	90	18	4-11.5
40PSB-20(D)	40	130	100	18	4-11.5	32	112	90	18	4-11.5
40PSB-30(D)	40	130	100	18	4-11.5	32	112	90	18	4-11.5
50PSB-20(D)	50	130	100	18	4-11.5	32	112	90	18	4-11.5
50PSB-25(D)	50	130	100	18	4-11.5	32	112	90	18	4-11.5
50PSB-30(D)	50	130	100	18	4-11.5	32	112	90	18	4-11.5
65PSB-32(D)	65	185	150	18	4-14	50	160	130	22	4-12
80PSB-25(D)	80	185	150	18	4-14	65	160	130	22	4-12
80PSB-30(D)	80	185	150	18	4-14	65	160	130	22	4-12
80PSB-40	80	185	150	18	4-14	50	160	130	22	4-12
80PSB-50	80	185	150	18	4-14	50	160	130	22	4-12
80PSB-55	80	185	150	18	4-14	50	160	130	22	4-12
100PSB-32	100	220	180	22	4-M16	80	220	160	20	4-M16