



COOLANT PUMPS

"PHULSONS " range of immiscible pumps has been designed especially for filtering systems in the machine tool industry. The low-pressure pumps are available in different flow variants and come with a choice of bottom suction or suction from the top of the volute.

The compact coolant pumps efficiently transport liquid containing chips, fibers and abrasive particles on to the filtering unit. Semi - open impellers allow the passing of chips up to 10 mm, making the pumps ideal for removing liquid from any machining process- from boring and milling to grinding.

HIGH QUALITY MATERIALS

Carefully chosen materials ensure trouble free operation and long life. The top of the pump is made of cast iron, while the impeller is available in composite bronze/aluminum/engineering plastic etc are used in pumps with flow up to 1000 l/min. In the bigger pumps with higher flow the impellers are made of bronze to ensure perfect resistance to e.g metal chips. As the pumped liquid will always contain oil there no risk of corrosion.

EASY INSTALLATION

Easy installation is another of the benefits of the pumps. The tank -mounting flange dimentions have been carefully designed to ensure that even replacement of compacting products can be carried out without any inconvenience no special tools are required to the installation of the coolant pumps - just as the entire range is easily serviced and cleaned.

FULL LINE SUPPLIER

In addition to the range for filtering systems, we offers a wide range of pumps for the cooling and cleaning of tools inside the machine. This allows our customers the benefit of convenient and time - saving one stop shopping.

FEATURES

Available in very wide range.

High flexibility of design.

Availability in any type of material like cast iron,SS-316,SS-304,bronze,Alloy - 20 Etc..

Balanced shaft & rotor with excellent grade stamping and wire so highly efficient motor .

Totally noiseless operation.

Available in any length and for any liquid.

TC/Carbon seal for high pressure

Stainless steel bowls and impellers for long life also available with PP construction

Large stock, earliest delivery



HIGH QUALITY MATERIALS

Turning	Grinding	Granite
Boring	Filtration	Fountains
Drilling	Circulation	Washing
Milling	Printing	Heat treatment
Cutting	Conveyor	Oil Transfer
Sawing	Cooling	

TYPE OF COOLANT PUMPS

- Standard Coolant pumps.
- Coolant pumps with DC motor
- Coolant pumps with flame proof motor.
- Coolant pumps with "C E" and "UL" Mark Motor
- Custom built coolant pumps for different lengths
- Very high discharged pump
- Very high head pump / High pressure pump.
- Pumps in special material like stainless steel, bronze, PP, alloy - 20 etc.
- Multistage Coolant pumps.
- Coolant pump without stem.
- Coolant pump for oil (gear type)
- Coolant pump for oil (gear type).
- Submersible coolant pumps



COOLANT PUMPS RANGE

- Max discharge up to 1000 LPM.
- Max pressure up to 21 bar.
- Max length up to 1500 mm.
- Max HP up to 20 HP .
- Max outlet size up to 4".
- Max temp up to . 240 °C.
- Max Size of chips up to 15 mm.
- Material or construction - CI / SS / Alloy 20 / PP /bronze etc





SINGLE STAGE COOLANT PUMP (SP SERIES) PERFORMANCE CHART OF SP SERIES

P										
MODEL	OUTLET SIZE	BOTTOM CASING	FLANGE SIZE OD/ID/HOLL PCD	KW/HP	RPM	Head in meters VS				
						2	4	6	8	10
SP25/120 SP25/170 SP25/220	20mm 20mm 20mm	100 100 100	130x100x115	0.08/0.1	2730	25	10	0	0	0
SP40/120 SP40/170 SP40/220	20mm 20mm 20mm	100 100 100	130x100x115	0.12 /0.15	2730	40	25	0	0	0
SP63/120 SP63/170 SP63/220	20mm 20mm 20mm	100 100 100	130x100x115	0.18/0.25	2750	63	40	0	0	0
SP80/220 SP80/270	25mm 25mm	125 125	180x140x160	0.18/0.25	2750	80	60	30	0	0
SP100/170 SP100/220 SP100/270 SP100/350	25mm 25mm 25mm 25mm	138 138 138 138	180x140x160	0.25/0.34	2800	100	80	65	0	0
SP160/170 SP160/220 SP160/270 SP160/350	25mm 25mm 25mm 25mm	138 138 138 138	180x140x160	0.37/0.5	2800	160	140	120	75	15
SP250/220 SP250/270 SP250/350	33mm 25MM 25MM	138 138 138	180x140x160	0.75/1.0	2800	250	245	200	130	80



Sr No	Pump Model	Motor HP (kW)	Outlet Pipe Size (mm)	Immersion Depth (mm)	Speed (rpm)	Stage	Flow At 2 Meter Head \pm 15% (lpm)	Maximum Total Head at No Flow (meter)
PERFORMANCE DATA								
01	SCP-13	0.75 (0.55)	25	220	2800	2	120	16
02	SCP-33	1.00 (0.75)	25	270	2800	3	120	16



PERFORMANCECHART OFPHDSERIES

MODEL	OutletSize	KW/H P	HeadinmetersVSLPM											
			7	9	11	13	15	17	19	21	23	25	27	30
PHD-101	25mm	0.37KW/0.50HP	-	100	86	80	40	-	-	-	-	-	-	-
PHD-103	40mm	0.55/0.75HP	240	205	145	-	-	-	-	-	-	-	-	-
PHD-106	40mm	0.75KW/1.0HP	-	255	240	230	215	200	165	95	-	-	-	-
PHD-108	50mm	0.75KW/1.0HP	415	375	302	225	-	-	-	-	-	-	-	-
PHD-109	40mm	1.10KW/1.50HP	-	220	210	205	195	183	170	160	140	110	72	-
PHD-114	50mm	1.50KW/2HP	-	410	395	365	348	308	270	215	148	-	-	-
PHD-116	80mm	1.50KW/2HP	815	745	670	600	485	373	-	-	-	-	-	-



“MCP” SERIES MULTI STAGE HIGH HEAD COOLANT PUMPS

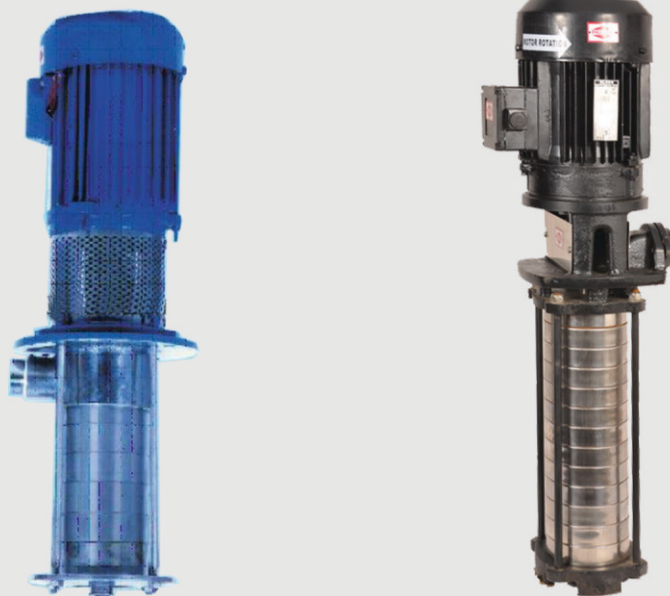
- Available in very wide range.
- High of design.
- Availability in any type of material like cast iron, SS-316, SS-304, bronze, Alloy - 20 Etc..
- Balanced shaft & rotor with excellent grade stamping and wire so highly efficient motor .
- Totally noiseless operation.
- Available in any length and for any liquid.
- TC/Carbon seal for high pressure.
- Stainless steel bowls and impellers for long life also available with PP construction.
- Large stock, earliest delivery.

HIGH QUALITY MATERIALS

Turning
Boring
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Circulation
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Cooling

Granite
Fountains
Washing
Heat treatment
Oil Transfer





CUSTOM BUIT COOLANT PUMP





“MCP” SERIES MULTI STAGE HIGH HEAD COOLANT PUMPS

PERFORMANCE DATA MCP- 2 SERIES COOLANT PUMPS

PUMP MODEL	MOTOR POWDER			FLOW IN LPM 2-30	16	18	25	32	38	45	50	55
	KW/HP	PUMP LENGTH	Moter LENGTH									
MCP 2-20	0.37 / 0.5	142	225	METER IN HEAD	18	17	16	15	13	12	10	8
MCP	0.37 / 0.5	160	255		27	26	24	22	20	18	15	12
MCP 2-40	0.55 / 1	178	255		26	35	33	30	26	24	20	16
MCP 2-50	0.55 / 1	196	255		45	43	40	37	33	30	24	20
MCP 2-60	0.75 / 1	214	255		53	52	50	45	40	36	30	24
MCP 2-70	0.75 / 1	232	255		63	61	57	52	47	41	35	28
MCP 2-90	1.1/ 1.5	268	255		80	78	73	67	2-360 67	54	45	37
MCP 2-110	1.1 / 1.5	304	255		98	95	89	82	73	64	54	44
MCP 2-130	1.5 / 2	340	260		164	114	106	98	89	78	65	52
MCP 2 -150	1.5 / 2	376	260		134	130	123	112	100	90	73	60
MCP 2-180	2.2 / 3	430	285		161	157	148	136	121	108	91	76
MCP 2-220	2.2 / 3	502	285		198	192	180	165	148	130	110	90
MCP 2-260	3.0 / 4	570	325		232	228	214	198	179	158	130	110
MCP	5.60 / 7.5	860	420		319	315	299	278	254	224	209	198

PERFORMANCE DATA MCP- 4 SERIES COOLANT PUMPS

PUMP MODEL	MOTOR POWDER			FLOW IN LPM 4-30	25	33	50	66	83	100	116	133
	KW/HP	PUMP LENGTH	MOTER LENGTH									
MCP 4-20	0.37 / 0.5	160	225	METER IN HEAD	19	18	17	15	13	10	8	6
MCP	0.55 / 1	187	255		28	27	26	24	20	18	13	10
MCP 4-40	0.75 / 1	214	255		38	36	34	32	27	24	19	13
MCP 4-50	1.1 / 1.5	241	255		47	45	43	40	34	31	23	17
MCP 4-60	1.1 / 1.5	268	255		56	54	52	48	41	27	28	20
MCP 4-70	1.5 / 2	295	260		66	63	61	56	48	43	33	24
MCP 4-80	1.5/ 2	322	260		74	72	70	64	55	50	38	27
MCP 4-100	2.2 / 3	376	285		96	90	87	81	71	62	48	34
MCP 4-120	2.2 / 3	430	285		114	108	104	95	85	75	58	41
MCP 4 -140	3 / 4	484	325		136	126	122	112	101	89	68	48
MCP 4-2-160	3 / 4	538	325		152	144	140	129	115	101	78	55
MCP 4-2-190	4 / 5.5	619	335		183	171	168	153	137	122	93	67
MCP 4-2-220	4 / 5.5	700	335		211	200	192	178	160	138	108	79
					250	243	234	221	208	189	138	86