



981, Dhiraj Niwas. Nr. Mahakali Hotel Laheripura New Road.  
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## COOLANT PUMPS

### FEATURES

- All coolant pumps are manufactured as per IS : 2161.
- All coolant pumps are rated for continuous duty (S1) at an ambient temperature of 40°C.
- Dynamically balanced rotor and impeller.
- All components are manufactured and inspected on latest precision machineries and calibrated instruments to give years of maintenance free operation.
- All pumps are tested as per relevant Indian Standard in latest and well equipped testing lab.

### APPLICATION

The coolant pumps are used for fluids like water, cooling emulsion, cooling & cutting oils having kinematical viscosity up to 90 mm/s and temperature up to 80°C. Typical application of coolant pump in machineries for fluid circulation is as under,

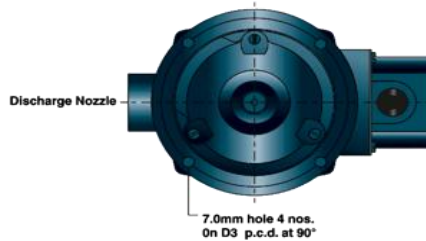
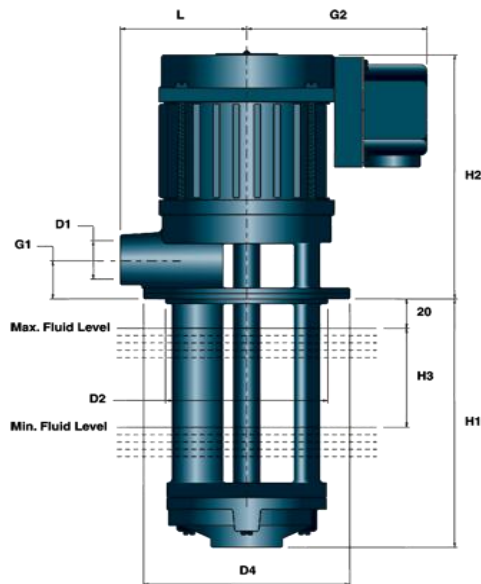
- All lathe machines
- CNC machines
- Grinding machines
- Milling machines
- Cutting machines
- Spark erosion
- Printing machines
- EDM Wire

### RANGE

Power rating	: 0.12 HP to 1.00 HP
Discharge	: 25 LPM to 250 LPM
Pipe size	: 1/2" BSP to 1 1/4" BSP

# MATERIAL OF CONSTRUCTION

Motor body	: C.I. Gr.FG 200
Stem	: C.I. Gr.FG 200
End cover	: C.I. Gr.FG 200
Impeller	: Nylon / Aluminum
Impeller cover	: Nylon / C.I. Gr.FG 200
Shaft	: EN - 8D
Stamping	: CRNGO M-45 Grade
Bearing	: SKF / Equivalent



## MOTOR COUPLED

Model	Motor		H1 Immersion Depth mm	D1 Discharge Nozzle	D2 0 -1 mm	D3 ± 0.2 mm	D4 mm	L ± 2 mm	G1 ± 2 mm	G2 Max mm	H2 Max mm	H3 mm	Flow at 2 mtrs Head ± 15 % lpm	Maximum Total Head at No Flow mtrs
	kW	HP												
SCP - 1	0.12	0.16	120	R 1/2"	100	115	130	70	30	130	190	30	40	5
SCP - 2			170	R 1/2"								80		
SCP - 3			220	R 3/4"								130		
SCP - 4	0.18	0.25	170	R 1/2"	100	115	130	70	30	130	190	80	63	6
SCP - 5			220	R 3/4"								130		
SCP - 6			270	R 1"								180		
SCP - 7	0.25	0.33	220	R 1"	140	160	180	100	32	150	280	130	100	8
SCP - 8			270	180										
SCP - 9			350	260										
SCP - 10	0.55	0.75	440	R 1 1/4"	140	160	180	100	36	150	280	350	200	10
SCP - 11			440	R 1 1/4"								350		
SCP - 12	0.75	1.00	440	R 1 1/4"	140	160	180	100	36	150	280	350	250	10

Note: The flow rate in the table relate to water with a kinematic viscosity of 1 sq.mm/s.



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