



Pumped Liquids

Clean, Thin, Non-aggressive, Non explosive, Clear, Cold, Fresh Water without abrasives, Solid particles or fibre having the following characteristics

a)	Temperature	Max : 33°C
b)	Permissible amount of sand	100 g/m ³ = 2 to 7m ³ /h 50 g/m ³ = 1E & 8 to 18m ³ /h
c)	Chlorine ion density	Max : 500 ppm
d)	Allowable solids	Max : 3000 ppm
e)	Specific gravity	Max:1.004
f)	Hardness (Drinking Water)	Max : 300
g)	Viscosity	Max : 1.75 x10 ⁶ m ² /sec
h)	Turbidity	Max : 50ppm silica scale
i)	pH	6.5 to 8.5

PUMP OPERATING LIMITATIONS		
NOMINAL DIAMETER		4"
POWER RANGE		0.5 - 10 HP
SPEED		3450 rpm
DISCHARGE RANGE	m ³ /h	0.75 - 26
	l/s	0.22 - 7.2
TOTAL HEAD RANGE	m	37 - 427
	ft	121 - 1401
OUTLET SIZE IN INCHES		1¼", 1½" & 2" BSP

Maximum Temperature of Pumped Liquid

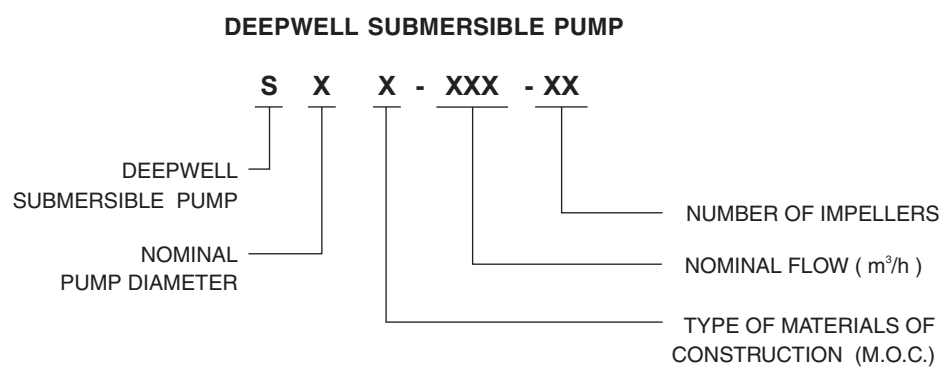
Motor	Minimum cooling flow along the motor	Vertical Installation	Horizontal Installation minimum 30° angle
4"	0.15 m/s	33 °C	33 °C

Maximum Operating Pressure	
4" Submersible pump	3.7 Mpa (37 bar)

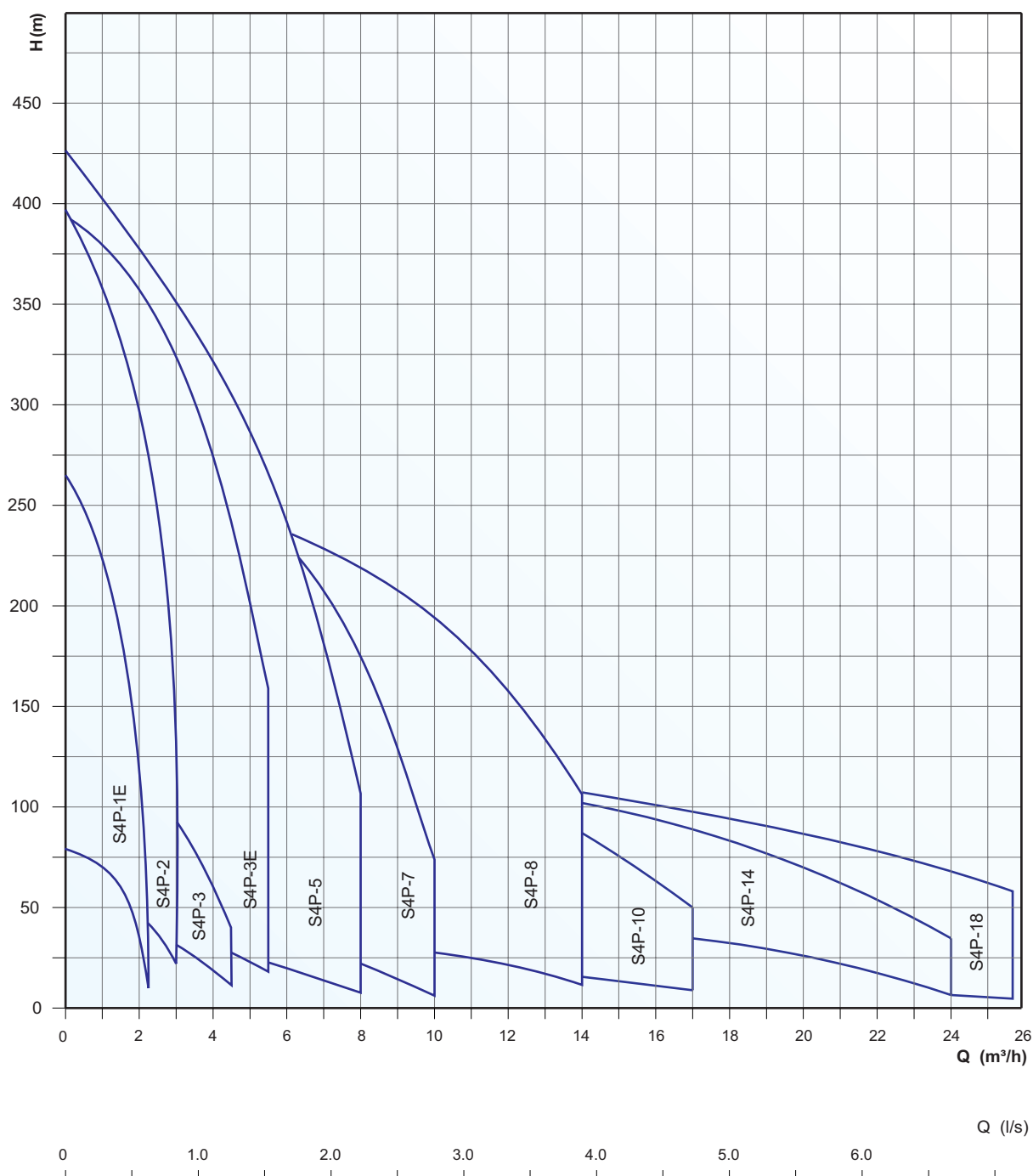


C.R.I. PUMPS
Pumping trust. Worldwide.

MODEL IDENTIFICATION CODE



Group Performance Curves - 4"





Material of Construction

PART NAME	PART No.	NOMINAL DIA. 4"	
		TYPE - P	TYPE - V
CHECK VALVE HOUSING	21.00	S.S - 304	Nylon-6 (Polyamide)
CHECK VALVE	21.06	DELTRIN	DELTRIN
CHECK VALVE SEAT	21.01	NBR	NBR
OUTER SHELL	21.04	S.S - 304	S.S - 304
IMPELLER	19.00	NORYL* / DELTRIN / LEXAN**	NORYL* / DELTRIN
DIFFUSER CHAMBER	18.03	NORYL* / LEXAN**	LEXAN**
STOP RING	13.3	HYLEM	S.S - 304
INTERMEDIATE BEARING (SLEEVE / BUSH)	12.02	S.S. - 304 / NBR BRONZE	S.S - 304 / NBR
SUCTION INTER CONNECTOR	17.00	S.S. - 304	Nylon-6 (Polyamide)
INLET SCREEN	14.03	S.S - 304	S.S - 304
PUMP SHAFT HEXAGONAL	22.00	S.S - 431	S.S - 304
CABLE GUARD	22.01	S.S - 304	S.S - 304
COUPLING SPLINES	17.04	S.S - 329	S.S - 329

Note : Type - V is available only for specific models, with 1¼" outlet size.

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*NORYL and **LEXAN are Registered Trade Mark of G.E Plastics.