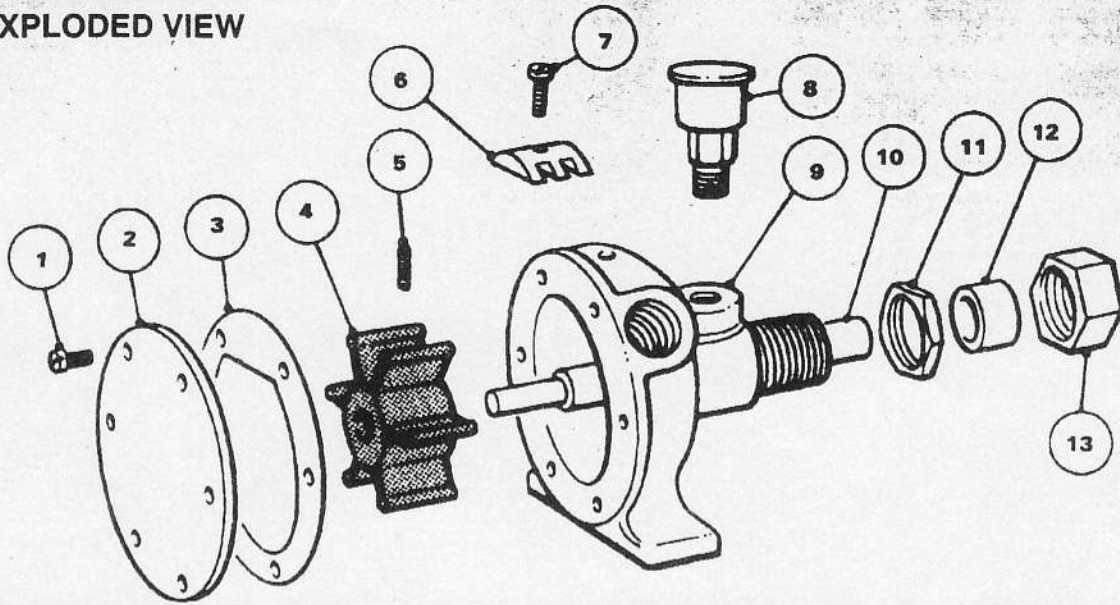


EXPLODED VIEW



PARTS LIST AL1/4-200

Key	Description	Qty	Part No
1	Endcover Screw*	6	SP1002-01
2	Endcover	1	AL6-200
3	Gasket*	1	1126
4	Impeller*	1	4528-0001B
5	Screw-Impeller to Shaft*	1	SP1009-05
6	Cam	1	AL8
7	Cam Screw	1	SP1002-02
8	Grease Cup	1	SP1503-01
9	Body	1	AL4-200
10	Shaft	1	AL10
11	Lock Nut	1	AL18
12	Packing*	1	AL22
13	Pack Nut	1	AL16

PARTS LIST 6540-200

Key	Description	Qty	Part No
1	Endcover Screw*	6	SP1002-01
2	Endcover	1	3992
3	Gasket*	1	2995-0030
4	Impeller*	1	673-0001B
5	Screw-Impeller to Shaft*	1	SP1010-06
6	Cam	1	2907-0001
7	Cam Screw	1	SP1002-02
8	Grease Cup	1	SP1503-01
9	Body	1	6544-200
10	Shaft	1	6547
11	Lock Nut	1	B18
12	Packing*	1	B22
13	Pack Nut	1	B18

MODEL AL1/4-200

Service Kit No SK1
Contains Parts marked *
Options:-
Nitrile Impeller Part No 4528-0003B
1/2 Cam Part No AL8-01
1/2 Cam Screw Part No SP1002-04

MODEL 6540-200

Service Kit No SK205
Contains Parts marked *
Options:-
Nitrile Impeller Part No 673-0003B
1/2 Cam Part No 2441
1/2 Cam Screw Part No SP1002-09

SERVICE INSTRUCTIONS

Dis-Assembly Inspect all parts for wear or damage and replace if necessary

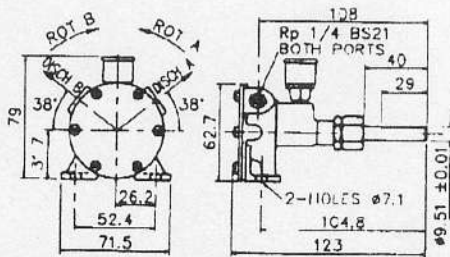
1. Remove endcover screws, endcover and gasket.
2. Remove drive coupling or pulley and loosen packing nut and remove.
3. Clean and remove any burrs from the end of the shaft.
4. Remove shaft and impeller assembly from body using water pump pliers.
5. Remove impeller to shaft screw, slide impeller off shaft.
6. Loosen cam screw and remove cam, (clean off any old jointing compound).
7. From pack nut remove old packing using a small screw-driver.

Assembly

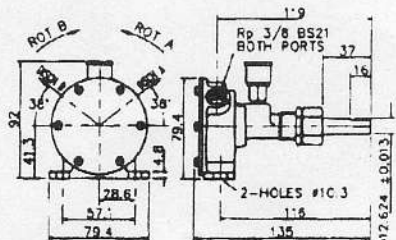
1. Coat cam screw threads and top of cam with a non setting jointing compound. Install in body.
2. Position impeller onto shaft, locate hole in impeller and then replace screw.
3. Lightly lubricate the impeller bore with a good quality water pump grease. Insert shaft and impeller assembly into pump body with a rotary motion.
4. Dip new packing in a lifting machine oil and install pack nut.
5. Replace gasket, endcover and endcover screws.
6. Replace pack nut onto shaft and "Hand Tighten" locknut. Allow for slight leakage for a short time in order to lubricate the packing until it is run-in. Readjust as necessary.

CAUTION: OVERTIGHTENING OF THE PACK NUT WILL INCREASE THE TORQUE REQUIREMENT AND MAY BURN THE PACKING OR GROOVE THE SHAFT UNDER THE PACKING.

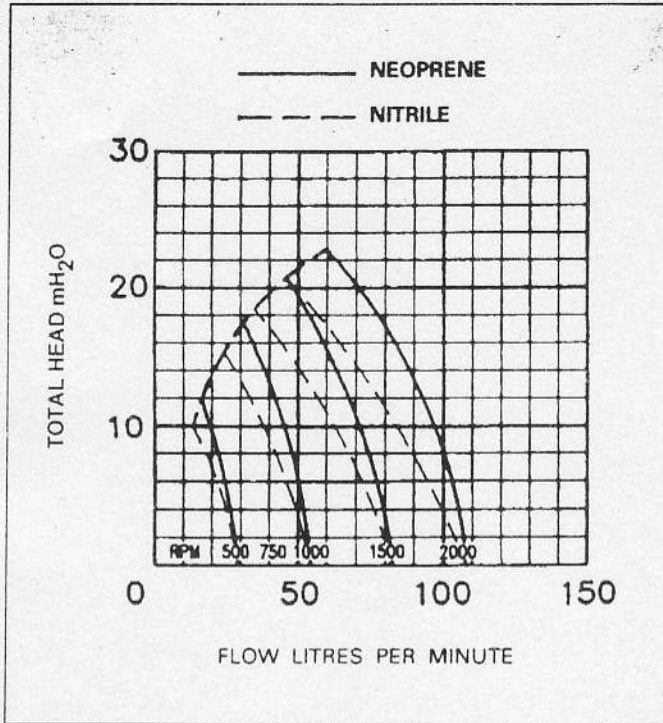
INSTALLATION DRAWING AL 1/4-200



INSTALLATION DRAWING 6540-200



SIZE 080

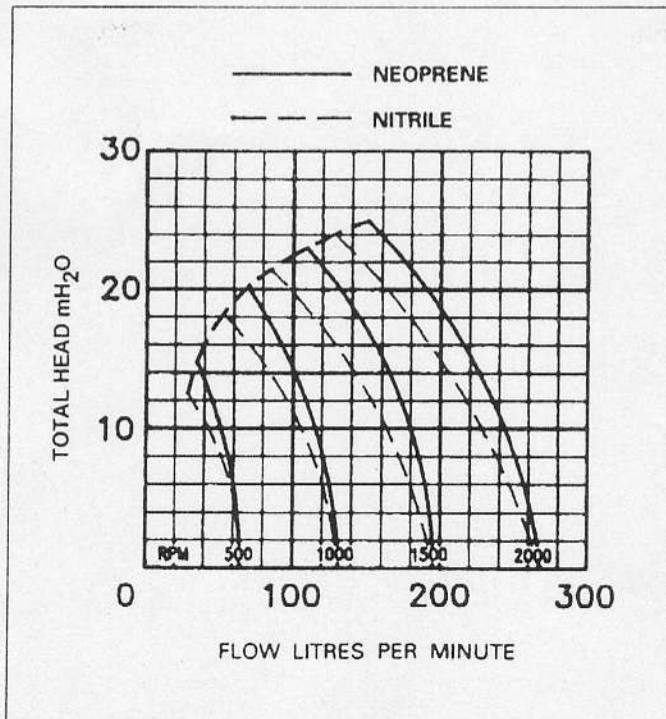


Performance Note: Power (watts) figures shown are minimum recommended at pumpshaft

total manometric head	500 rpm	750 rpm	1000 rpm	1500 rpm	2000 rpm
	180 watt	180 watt	250 watt	550 watt	750 watt
m/H ₂ O	L/m	L/m	L/m	L/m	L/m
3	26.5	40	53	80	107
5	24.5	37.5	57	78	104
9	21	34.5	47.5	74	100
12	16.5	29	42.5	68	94
15	-	23	36	61	86
18	-	-	29	52.5	77
21	-	-	-	42	66
*Suction Bore	25mm	25mm	25mm	25mm	32mm
Temp°C	Metres	Metres	Metres	Metres	Metres
20	7.2	6.9	6.2	4.1	2.2
30	7	6.7	6	3.9	2
40	6.6	5.3	5.6	3.5	1.6
50	6	5.7	5	2.9	1

Maximum recommended suction head in mH₂O at water temperature 20°C

SIZE 200



Performance Note: Power (watts) figures shown are minimum recommended at pumpshaft

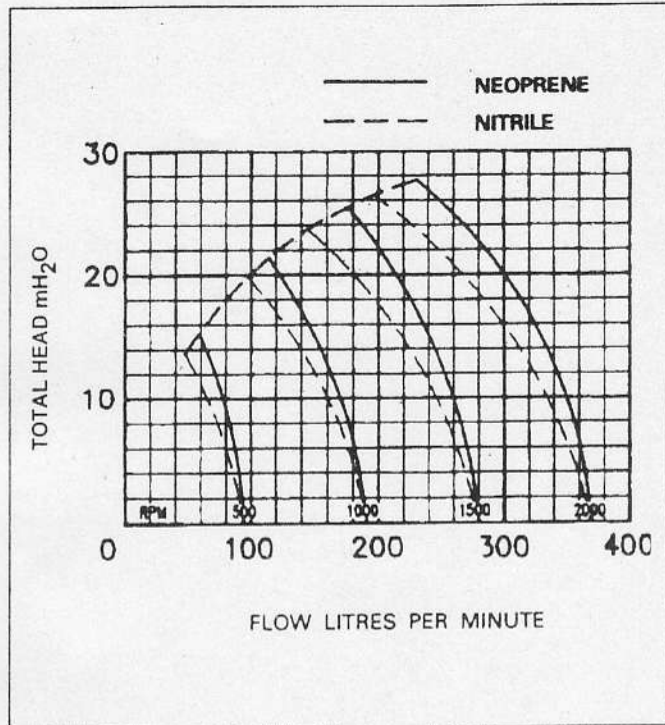
total manometric head	500 rpm	1000 rpm	1500 rpm	2000 rpm
	180 watt	750 watt	1100 watt	1800 watt
m/H ₂ O	L/M	L/m	L/m	L/m
3	64.5	130	195	261
5	60.5	126	191	256
9	54	118.5	183.5	248
12	45	109	173	236.5
15	33.5	96.5	159	222
18	-	81	142.5	204
21	-	63	123	183
24	-	-	100	159
*Suction Bore	40mm	40mm	40mm	40mm
Temp°C	Metres	Metres	Metres	Metres
20	7	5.8	3.6	1
30	6.8	5.6	3.4	0.9
40	6.4	5.2	3	0.5
50	5.8	4.6	2.4	-

Maximum recommended suction head in mH₂O at water temperature 20°C

Pump Selection Tables and Graphs show approximate performance for new pumps with neoprene impeller pumping water (specific gravity 1.00) at 20°C, but note that performance can be affected if water temperature and suction head are higher than shown in above tables. If in doubt consult your local Jabsco distributor or factory for application assistance.

*Minimum nominal recommended bore. Note: SUCTION HEAD = VERTICAL HEIGHT + PIPE LOSSES.

SIZE 270

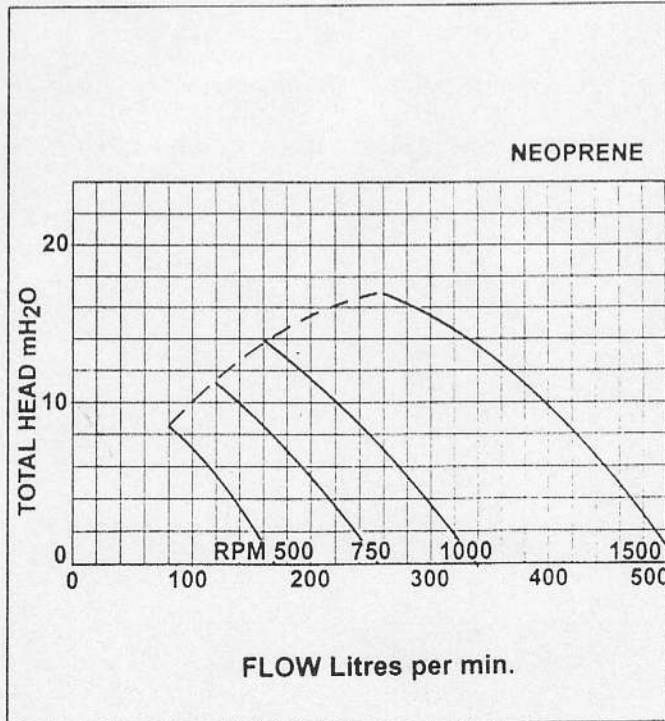


Performance Note: Power (watts) figures shown are minimum recommended at pumpshaft

total manometric head	500 rpm	1000 rpm	1500 rpm	2000 rpm
	550 watt	1500 watt	1800 watt	3000 watt
m/H ₂ O	L/m	L/m	L/m	L/m
3	91	183	275	368
5	87	179	271	363
9	81	172	263	355
12	72	162	253	343
15	60	150	239	329
18	-	134	223	311
21	-	116	203	290
24	-	-	180	265
24	-	-	-	238
*Suction Bore	51 mm	51 mm	51 mm	51 mm
Temp°C	Metres	Metres	Metres	Metres
20	7.4	6.9	4.8	2.3
30	7.2	6.7	4.6	2.1
40	6.8	6.3	4.2	1.7
50	6.2	5.7	3.6	1.1

Maximum recommended suction head in mH₂O at water temperature 20°C

SIZE 500



Performance Note Power (watt) figures shown are minimum recommended at pumpshaft.

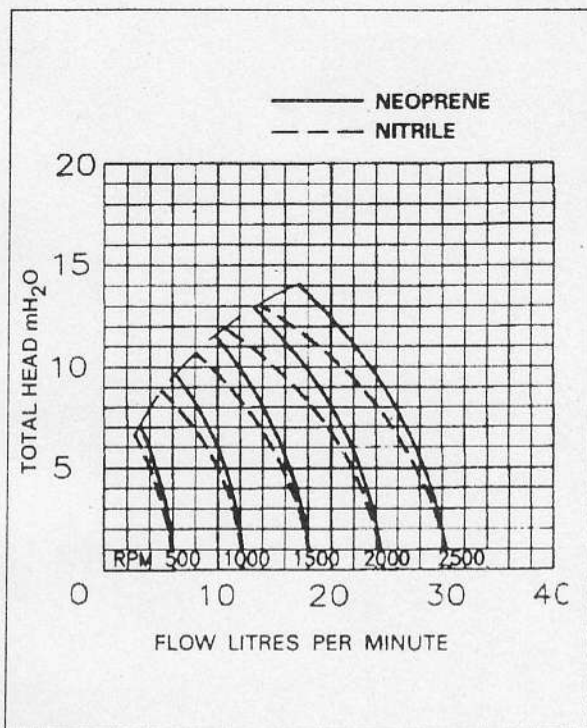
Total manometric head	500 rpm	750 rpm	1000 rpm	1500 rpm
	1500 watt	2200 watt	2200 watt	4000 watt
5	132	220	303	463
9	79	165	246	402
12	40	127	210	361
15	-	60	145	308
18	-	-	-	250
20	-	-	-	194
Suction Bore	63.5mm	63.5mm	63.5mm	63.5mm
Temp	Metres	Metres	Metres	Metres
20°C	7.5	7.0	6.0	3.5
30°C	7.3	6.8	5.8	3.3
40°C	7.0	6.5	5.5	2.8
50°C	6.5	6.0	5.0	2.3

Maximum recommended suction head in mH₂O at water temperature 20°C

Pump Selection Tables and Graphs show approximate performance for new pumps with neoprene impeller pumping water (specific gravity 1.00) at 20°C, but note that performance can be affected if water temperature and suction head are higher than shown in above tables. If in doubt consult your local Jabsco distributor or factory for application assistance.

* Minimum nominal recommended bore. Note: SUCTION HEAD = VERTICAL HEIGHT + PIPE LOSSES.

SIZE 020

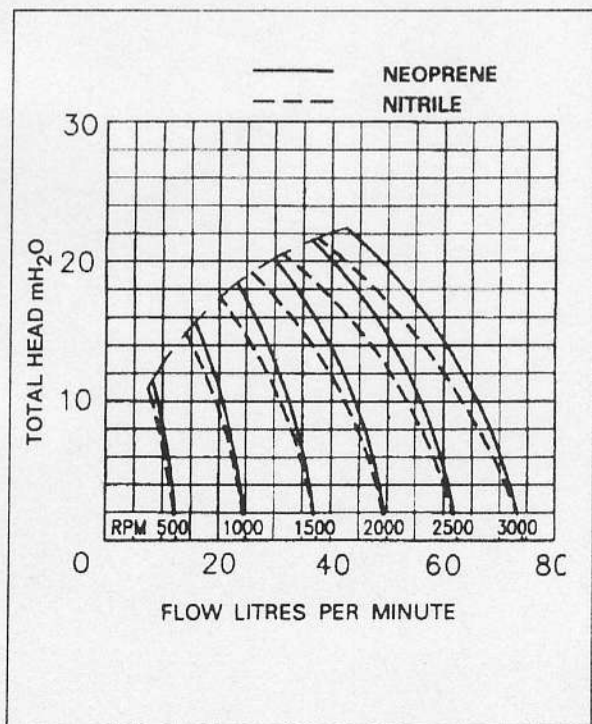


Performance Note: Power (watts) figures shown are minimum recommended at pumpshaft

total manometric head	500 rpm	750 rpm	1000 rpm	1500 rpm	2000 rpm	2500 rpm
	60 watt	90 watt	120 watt	180 watt	250 watt	370 watt
m/H ₂ O	L/m	L/m	L/m	L/m	L/m	L/m
3	5.5	8.5	11.5	18	24	30
6	4	7	10	16	22	28
9	-	4	7	13	19	25
12	-	-	-	9	15	21
15	-	-	-	-	9	15
*Suction Bore	10mm	10mm	10mm	10mm	10mm	13mm
Temp °C	Metres	Metres	Metres	Metres	Metres	Metres
20	6	5.2	4.8	4.1	3.2	3.1
30	5.8	5	4.6	3.9	3	2.9
40	5.4	4.6	4.2	3.5	2.6	2.5
50	4.8	4	3.6	2.9	2	1.9

Maximum recommended suction head in mH₂O at water temperature 20°C

SIZE 040



Performance Note: Power (watts) figures shown are minimum recommended at pumpshaft

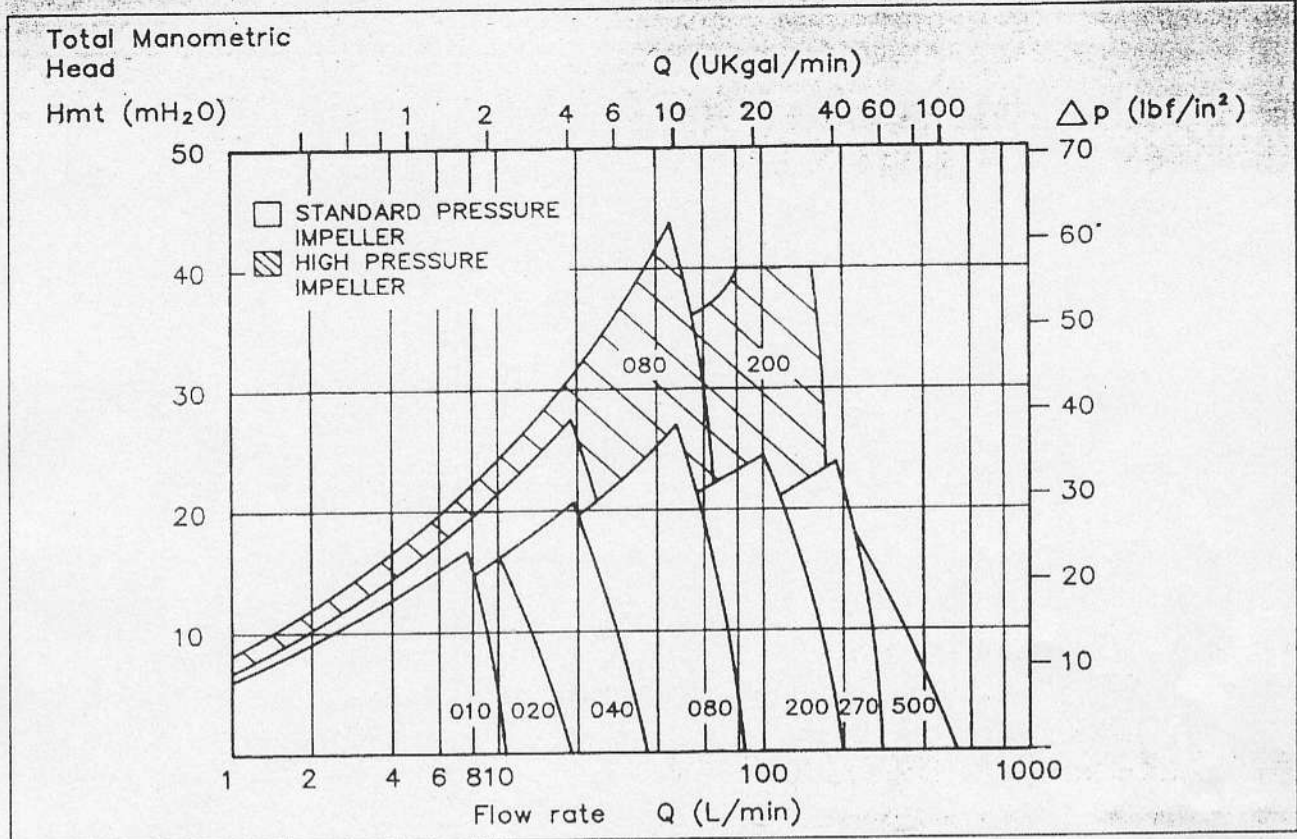
total manometric head	500 rpm	1000 rpm	1500 rpm	2000 rpm	2500 rpm	3000 rpm
	120 watt	250 watt	370 watt	550 watt	550 watt	3750 watt
m/H ₂ O	L/m	L/m	L/m	L/m	L/m	L/m
3	12	24.5	36.5	49	61.5	73.5
5	11.5	23.5	35.5	47.5	60.5	72
9	10	22	33.5	45.5	57	69
12	8.5	19.5	31	42.5	53.5	64.5
15	-	16	27.5	38	49	59.5
18	-	13.5	23	33.3	43	53
21	-	-	-	27	36.5	45.5
24	-	-	-	-	-	36.5
*Suction Bore	20mm	20mm	20mm	20mm	25mm	25mm
Temp °C	Metres	Metres	Metres	Metres	Metres	Metres
20	7.6	7	5.6	3.6	2.3	0.8
30	7.4	6.8	5.4	3.4	2.1	0.6
40	7	6.4	5	3	1.7	
50	6.4	5.8	4.4	2.4	1.1	Positive Head Required

Maximum recommended suction head in mH₂O at water temperature 20°C

Pump Selection Tables and Graphs show approximate performance for new pumps with neoprene impeller pumping water (specific gravity 1.00) at 20°C, but note that performance can be affected if water temperature and suction head are higher than shown in above tables. If in doubt consult your local Jabsco distributor or factory for application assistance.

*Minimum nominal recommended bore. Note: SUCTION HEAD = VERTICAL HEIGHT + PIPE LOSSES.

Performance of the Range at 1500 RPM with water (20°C)

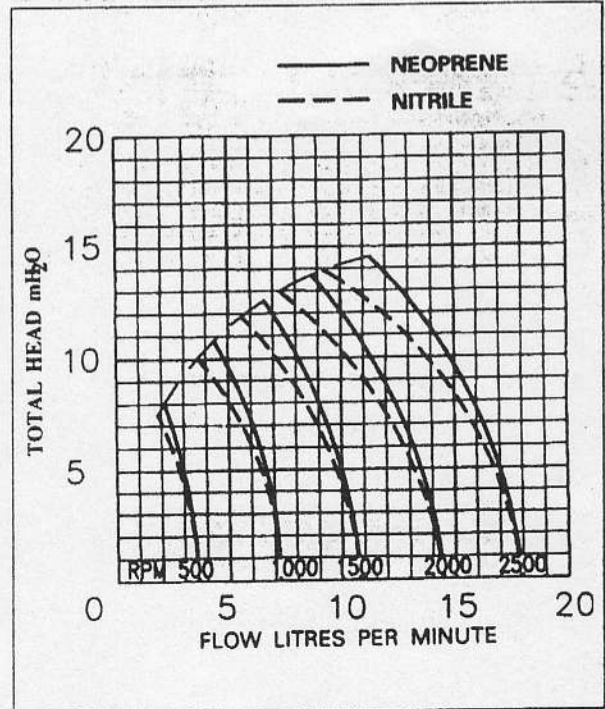


SIZE 010

Performance Note: Power (watts) figures shown are minimum recommended at pumpshaft

total manometric head	500 rpm 60 watt	1000 rpm 120 watt	1500 rpm 120 watt	2000 rpm 250 watt	2500 rpm 370 watt
m/H ₂ O	L/m	L/m	L/m	L/m	L/m
3	3.5	7	10.5	14	17.5
6	2	6.5	10	13.5	17
9	2	5	8.5	12	15.5
12	-	3.5	7	10	13
15	-	-	-	7.5	10.5
*Suction Bore	8 mm	8 mm	8 mm	10 mm	10 mm
Temp °C	Metres	Metres	Metres	Metres	Metres
20	5.5	4.3	3.5	3	1.3
30	5.3	4.1	3.3	2.8	1.1
40	4.9	3.7	2.9	2.4	0.7
50	4.3	3.1	2.3	1.8	0.1

Maximum recommended suction head in mH₂O at water temperature 20°C.



Pump Selection Table and Graph show approximate performance for new pumps with neoprene impeller pumping water (specific gravity 1.00) at 20°C, but note that performance can be affected if water temperature and suction head are higher than shown in above table. If in doubt consult your local Jabsco distributor or factory for application assistance.

*Minimum nominal recommended bore. Note: Suction Head = Vertical Suction Height + Pipe Losses.