Uses

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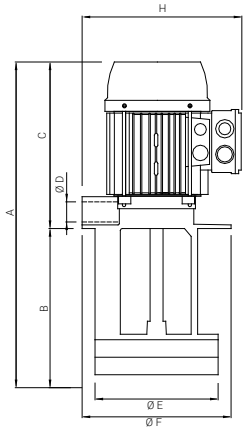
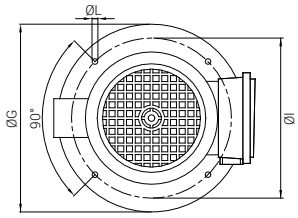
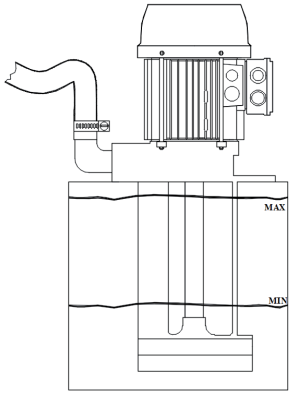
The temperature of the liquid must not exceed 90°C.
They are commonly used on:
- machine tools (milling and turning machines-machining centres)
- glass processing machinery
- filtration systems

They are normally installed on a tank with a capacity which is proportional to their flow rate, about 4-5 cm from the bottom.
It is important to make sure that the maximum liquid level in the tank is always 3-4 cm lower than the support flange (see figure).
Should the liquid be particularly dirty, it is advisable to build a compartment tank in order to allow the sludge to deposit before it is sucked by the pump.
For different uses, please consult our Technical Office.







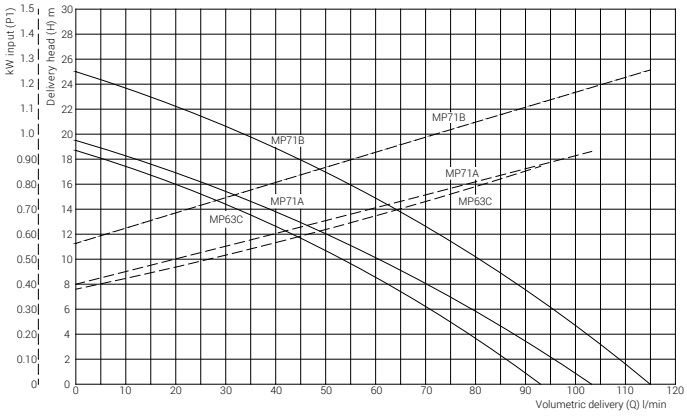
Size and weights table

Type of pump	A mm	B mm	C mm	ØD	ØE mm	ØF mm	ØG mm	H mm	ØI mm	ØL mm	Mass kg
MP 63C	385	180	205	3/4"	128	130	180	190	150	9 (n.4)	6.8
	435	230									6.9
	485	280									7.0
	535	330									7.1
MP 71A	410	180	230	3/4"	128	130	180	190	150	9 (n.4)	8.8
	460	230									9.0
	510	280									9.1
	560	330									9.3
MP 71B	440	210	230	3/4"	128	130	180	190	150	9 (n.4)	10.4
	490	260									10.6
	540	310									10.7
	590	360									10.9

Rating plate data

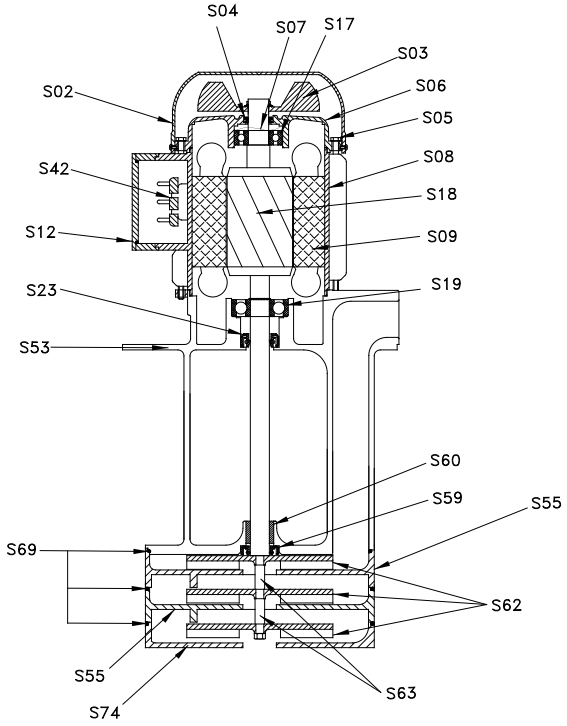
Type of pump	kW		V 230/400 - Hz 50			Q - maxQ litres/min	maxH - H metres
	Input (P1)	Nom. (P2)	In Amp.	n min^{-1}	cos φ		
MP 63C	0.74	0.55	2.30/1.33	2755	0.81	6 - 93	18 - 0
MP 71A	1.00	0.75	3.24/1.87	2770	0.77	12 - 103	18 - 0
MP 71B	1.20	0.90	3.83/2.21	2760	0.78	8 - 115	24 - 0

Hydraulic performance curves (open impeller)



Hydraulic performance table (open impeller)

Delivery head (H) m →	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28
Type of pump	Volumetric delivery (Q) l/min ↓														
MP 63C	93	86	79	71	63	53	43	32	20	6					
MP 71A	103	96	88	79	70	61	50	38	26	12					
MP 71B	115	109	102	96	88	81	73	64	55	45	34	22	8		



Spare parts nomenclature

	Component	MP 63C Materials	MP 71A Materials	MP 71B Materials
S02.	Fan cover	Nylon*	Nylon*	Nylon*
S03.	Fan	Nylon	Nylon	Nylon
S04.	V-ring	NBR	NBR	NBR
S05.	Stay rod	Steel	Steel	Steel
S06.	Upper shield	Aluminium	Aluminium	Aluminium
S07.	Spring ring	Steel	Steel	Steel
S08.	Housing	Aluminium	Aluminium	Aluminium
S09.	Wound stator	-	-	-
S12.	Terminal box	Nylon	Nylon	Nylon
S17.	Upper bearing	-	-	-
S18.	Axis + Rotor	Steel**	Steel**	Steel**
S19.	Lower bearing	-	-	-
S23.	Motor seal ring	NBR	NBR	NBR
S42.	Terminal board	-	-	-
S53.	Pump body	Aluminium	Aluminium	Aluminium
S55.	Diffuser	Aluminium (n°1)	Aluminium (n°1)	Aluminium (n°2)
S59.	Seal	NBR	NBR	NBR
S60.	Bushing	Bronze	Bronze	Bronze
S62.	Impeller	Brass 58	Brass 58	Brass 58
S63.	Spacer ring	Steel	Steel	Steel
S69.	O-ring	NBR	NBR	NBR
S74.	Impeller-cover	Aluminium	Aluminium	Aluminium

*On demand Sheet metal
**On demand.Ax.AISI 416

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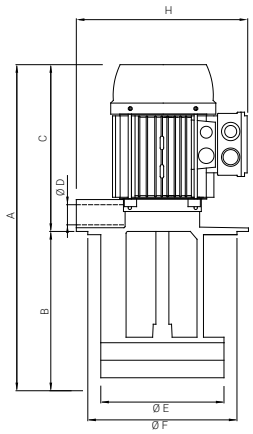
Should the liquid be particularly dirty, it is advisable to build a compartment tank in order to allow the sludge to deposit before it is sucked by the pump.
For different uses, please consult our Technical Office.

Size and weights table

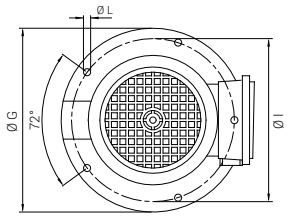
Type of pump	A mm	B mm	C mm	ØD	ØE mm	ØF mm	ØG mm	H mm	Øl mm	ØL mm	Mass kg
MP 80C	517	230	287	1"	190	190*	230	245	204	9 (n.5)	16.5
	567	280									17.0
	642	355									17.5
	757	470									18.0
MP 90B	590	265	325	1"	190	190*	230	255	204	9 (n.5)	22.0
	640	315									22.5
	715	390									23.0
	830	505									23.5
MP 100B	625	265	360	1 ¼"	202	220	250	275	235	9 (n.5)	32.0
	675	315									32.5
	725	365									33.0
	775	415									33.5
	955	595									35.5

*Available only on suction pipe 470 - 505

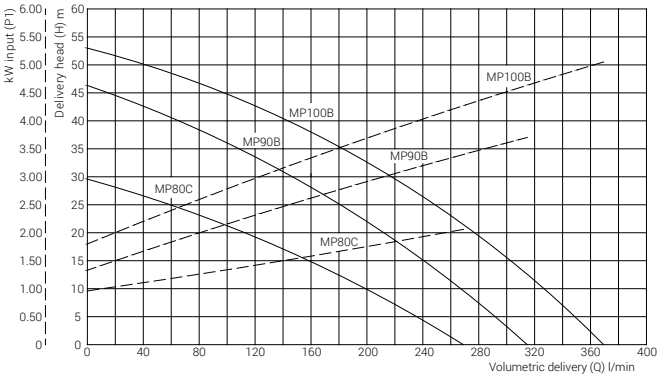


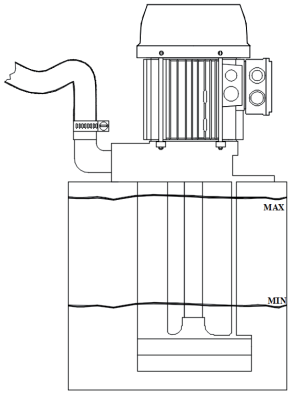
Rating plate data

Type of pump	kW		V 230/400 - Hz 50			Q - maxQ litres/min	maxH - H metres
	Input (P1)	Nom. (P2)	In Amp.	n min⁻¹	cos φ		
MP 80C	1.86	1.5	5.7/3.3	2845	0.83	22 - 269	28 - 0
MP 90B	3.58	3	10.6/6.10	2855	0.86	17 - 315	45 - 0
MP 100B	4.85	4	14.9/8.6	2875	0.81	37 - 368	50 - 0



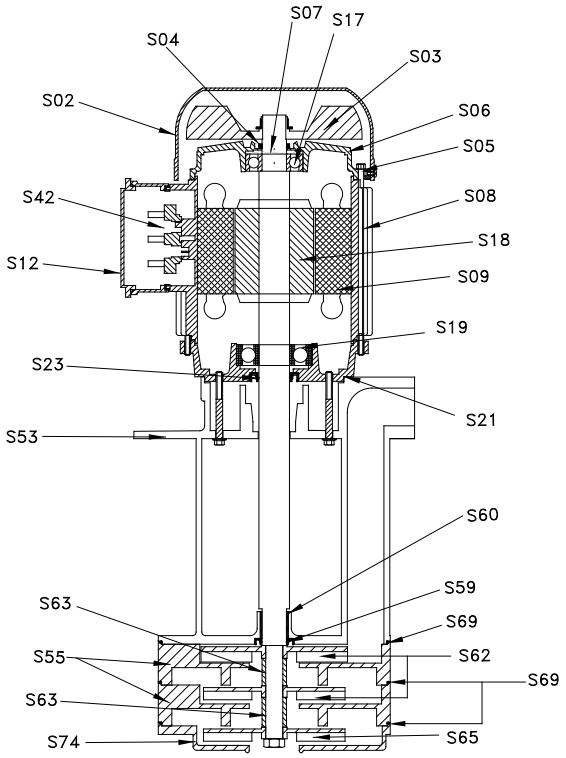
Hydraulic performance curves (open impeller)





Hydraulic performance table (open impeller)

Delivery head (H) m →	0	4	8	12	16	20	24	28	32	36	40	45	50	55	60
Type of pump	Volumetric delivery (Q) l/min ↓														
MP 80C	269	244	215	184	148	106	68	22							
MP 90B	307	293	276	257	236	213	187	159	130	97	63	17			
MP 100B	360	349	333	316	297	280	256	233	207	178	141	94	37		



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S03.	Fan	Nylon	Nylon	Nylon
S04.	V-ring	NBR	NBR	NBR
S05.	Stay rod	Steel	Steel	Steel
S06.	Upper shield	Aluminium	Aluminium	Aluminium
S07.	Spring ring	Steel	Steel	Steel
S08.	Housing	Aluminium	Aluminium	Aluminium
S09.	Wound stator	-	-	-
S12.	Terminal box	Nylon	Nylon	Nylon
S17.	Upper bearing	-	-	-
S18.	Axis + Rotor	Steel	Steel	Steel
S19.	Lower bearing	-	-	-
S21.	Flange	Aluminium	Aluminium	Aluminium
S23.	Motor seal ring	NBR	NBR	NBR
S42.	Terminal board	-	-	-
S53.	Pump body	Aluminium	Aluminium	Aluminium
S55.	Diffuser	Aluminium (no 1)	Aluminium (no 2)	Aluminium (no 2)
S59.	Seal	NBR	NBR	NBR
S60.	Bushing	Bronze	Bronze	Bronze
S62.	High impeller	Brass 58	Brass 58	Cast Iron G20
S63.	Upper spacer ring	Steel	Steel	Steel
S63.	Lower spacer ring	Not available	Steel	Steel
S65.	Low impeller	Brass 58	Brass 58	Cast Iron G20
S69.	O-ring	NBR	NBR	NBR
S74.	Impeller-cover	Aluminium	Aluminium	Aluminium

* On demand Sheet metal * On demand Sheet metal * On demand Sheet metal