

Generalities

Close coupled pumps **CHE-M 185** are intended for **corrosive liquids pumping**.

They profit of an optimized design to ensure very short intervention time and a maintenance even by non specialist personnel.

Models 100/185 - 112/1/185 - 112/2/185 - 132/185 for characteristics up to 60 m³/h (264 US gpm) and 45 mcl (147 ft).

Construction

Parts in contact with fluid pumped are realized of thick walled moulded polypropylene (PP).

Sealing is made by mechanical seal with alumina stationary ring with high hardness.

For pumping of charged or crystallizing fluids, the face of rotating seal is made of silicium carbide, carbon for others liquids.

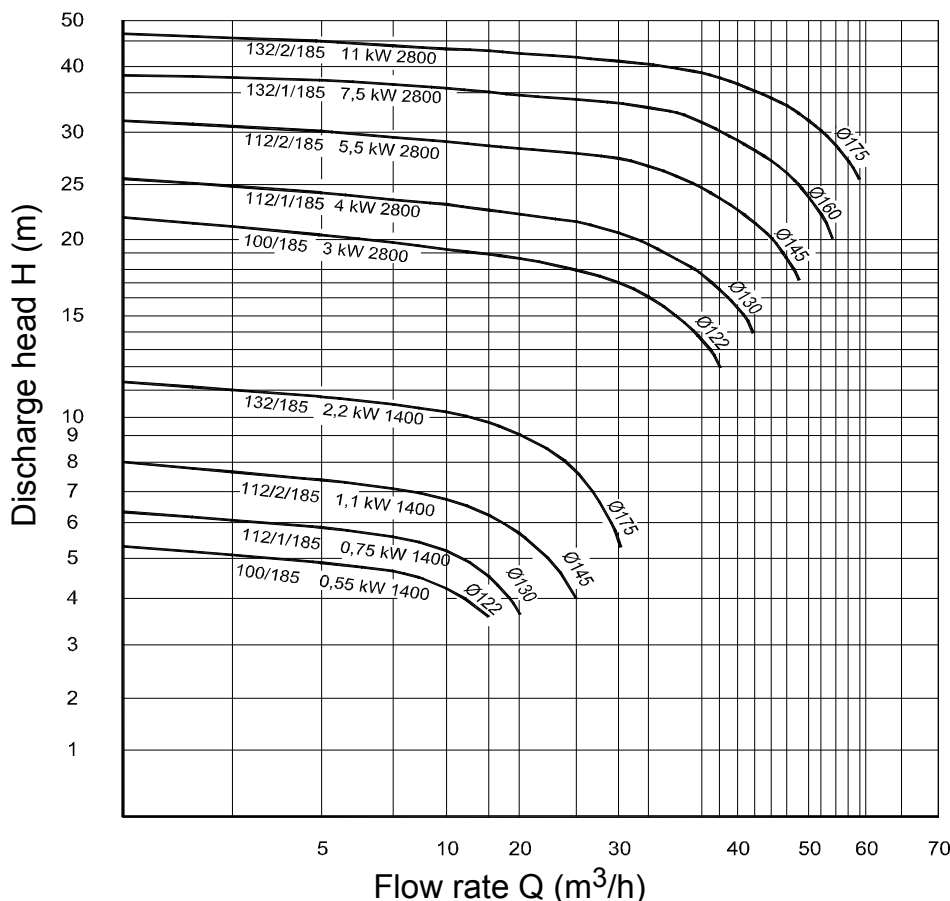
The elastic diaphragm of the mechanical seal, and all O-rings are designed to resist to acid or made of special Viton B.



Main advantages

- Single and robust sealing with anti acid O-rings.
- Reliability and robustness due to very thick injection plastic design.
- Staying with ribs to avoid any deformation.
- IEC normalized motors.
- Internal parts with steel core and polypropylene duplicate molding.
- Simplified maintenance.

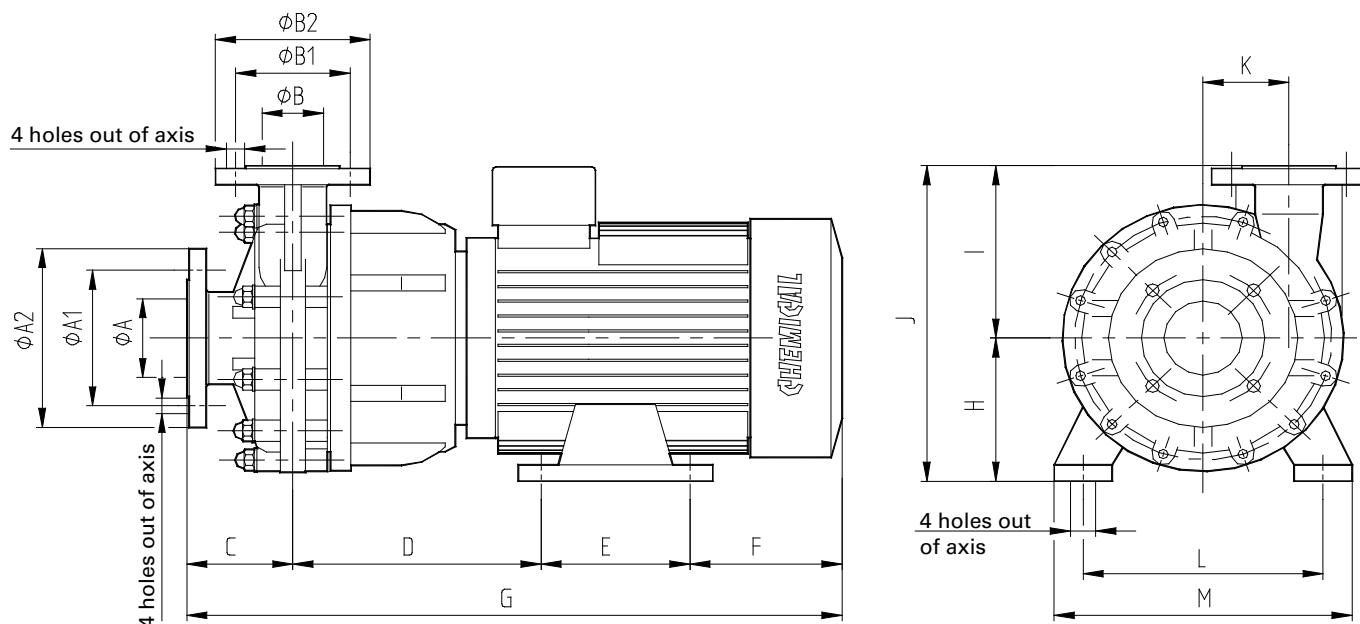
Diagram



Application field

- Clear and lightly charged fluids transfer.
- Effluents transfer.
- Scrubbers.
- Electroplating baths.
- Sea water, Aquariums.

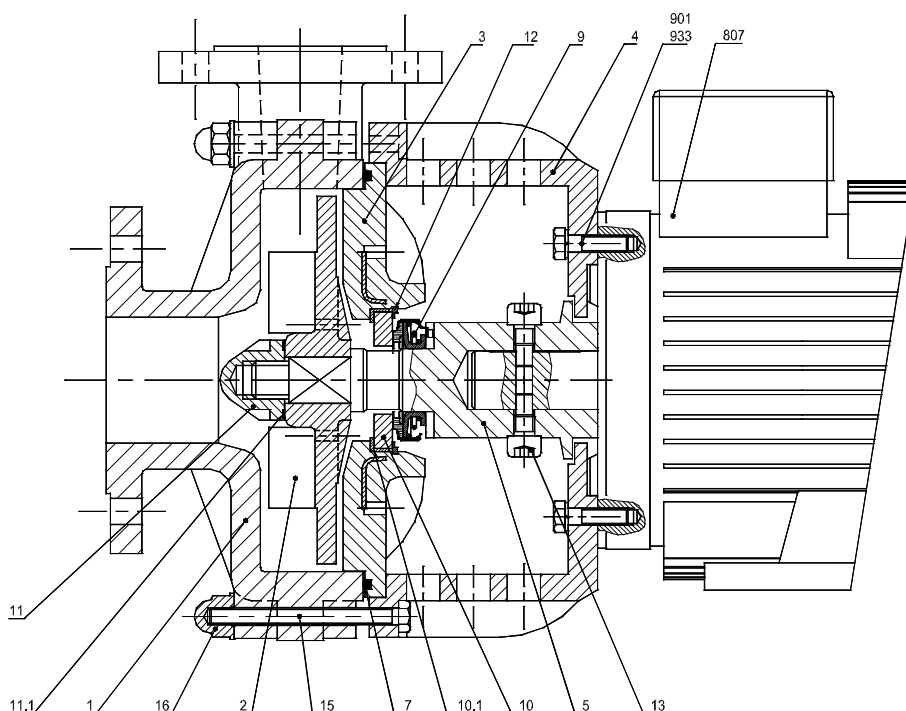
Dimensional drawing



Tr/min ¹	Type		ϕA	$\phi A1$	$\phi A2$	ϕa	ϕB	$\phi B1$	$\phi B2$	ϕb	ϕe	C	D	E	F	G	H	I	J	K	L	M
2800	90/185	2.2 kW	60	125	165	12.5	40	100	140	12.5	10	93	197	125	63	478	90	160	250	75	140	172
2800	100/185	3 kW	60	125	165	12.5	40	100	140	12.5	12	93	204	140	87	524	100	160	260	75	160	196
2800	112/1/185	4 kW	60	125	165	12.5	40	100	140	12.5	12	93	211	140	80	524	112	160	272	75	190	220
2800	112/2/185	5.5 kW	60	125	165	12.5	40	100	140	12.5	12	93	211	140	105	549	112	160	272	75	190	220
2800	132/1/185	7.5 kW	60	125	165	12.5	40	100	140	12.5	12	93	212	140	127	572	132	160	292	75	216	250
2800	132/2/185	11 kW	60	125	165	12.5	50	100	140	12.5	12	93	280	178	118	669	132	160	292	75	216	250
1400	100/185	0.55 kW	60	125	165	12.5	40	100	140	12.5	9	93	191	100	66	450	80	160	240	75	125	157
1400	112/1/185	0.75 kW	60	125	165	12.5	40	100	140	12.5	9	93	191	100	66	450	80	160	240	75	125	157
1400	112/2/185	1.1 kW	60	125	165	12.5	40	100	140	12.5	10	93	197	100	61	451	90	160	250	75	140	172
1400	132/185	2.2 kW	60	125	165	12.5	40	100	140	12.5	12	93	204	140	87	524	100	160	260	75	160	196

Cross section drawing

- Rep.1 Ribbed volute casing
- Rep.2 Impeller with 4 vanes
- Rep.3 Reinforced rear casing
- Rep.4 Ribbed lantern
- Rep.5 Lined shaft
- Rep.7 O-ring volute casing
- Rep.9 Rotating seal
- Rep.10 Stationary ring +10.1/2
- Rep.11 Impeller nut
- Rep.12 Stationary spring ring
- Rep.13 Locking screw shaft
- Rep.15 Volute casing locking screw
- Rep.16 Volute casing cap nut



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