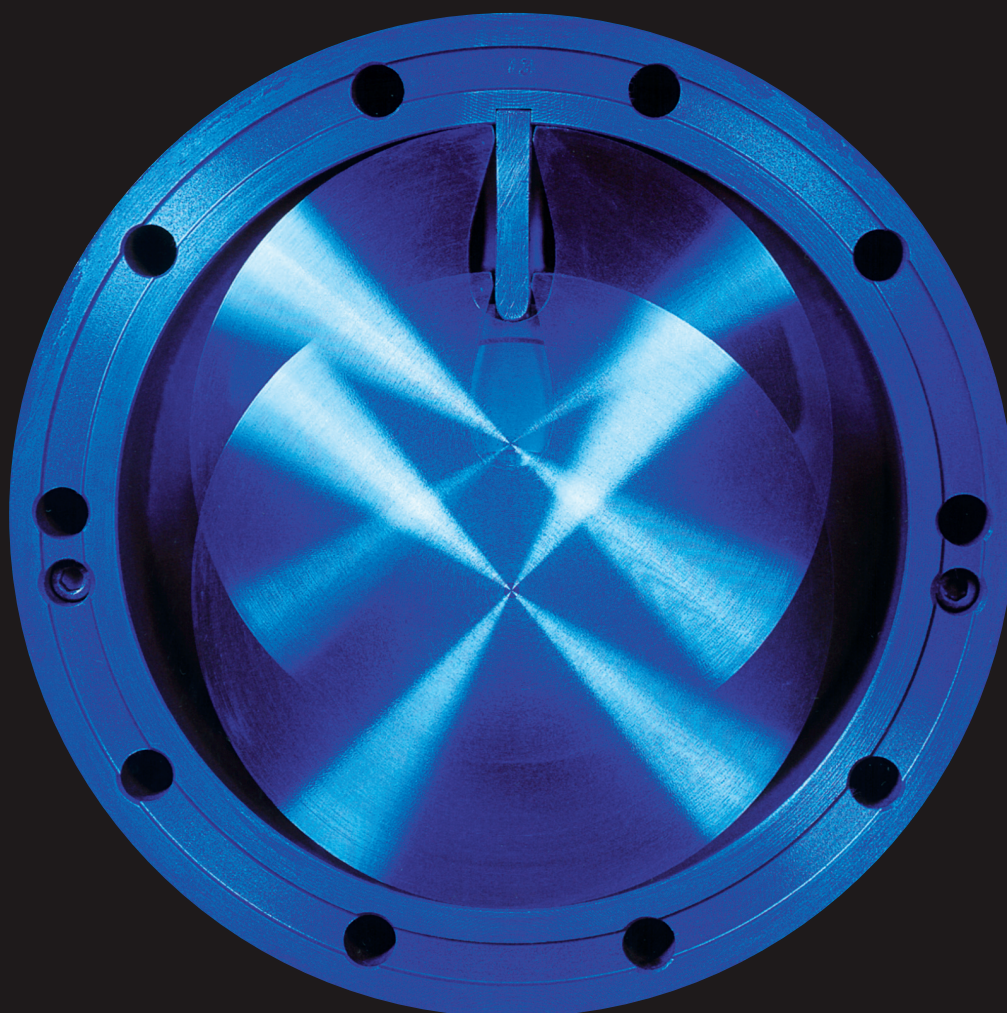


POMPE VOLUMETRICHE AUTOADESCANTI REVERSIBILI

**POSITIVE DISPLACEMENT PUMPS
SELF PRIMING REVERSIBLES**

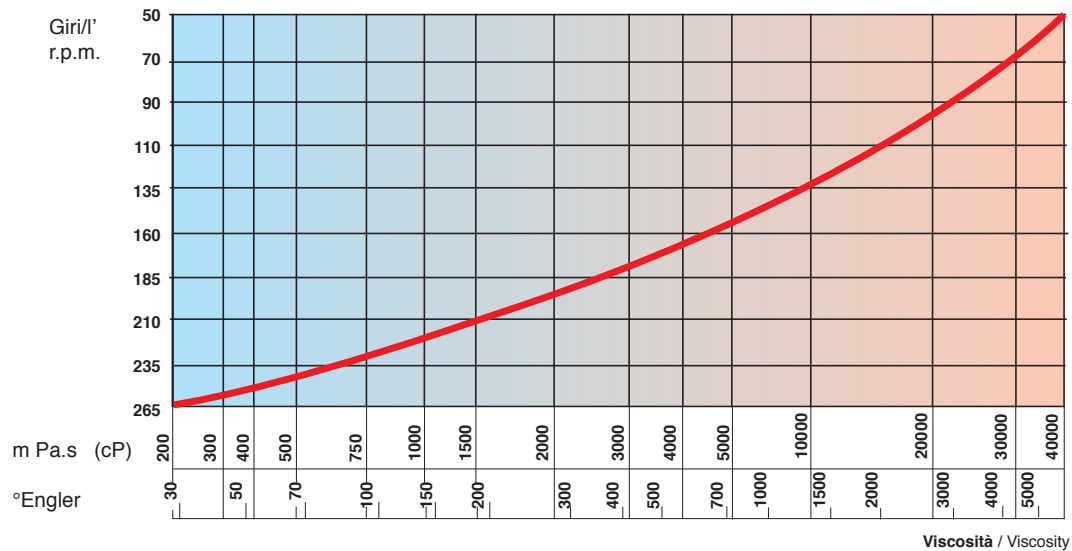


SCELTA DEI GIRI DELLA POMPA

Il numero dei giri è inversamente proporzionale alla viscosità del fluido.
La velocità ottimale si può determinare dal grafico

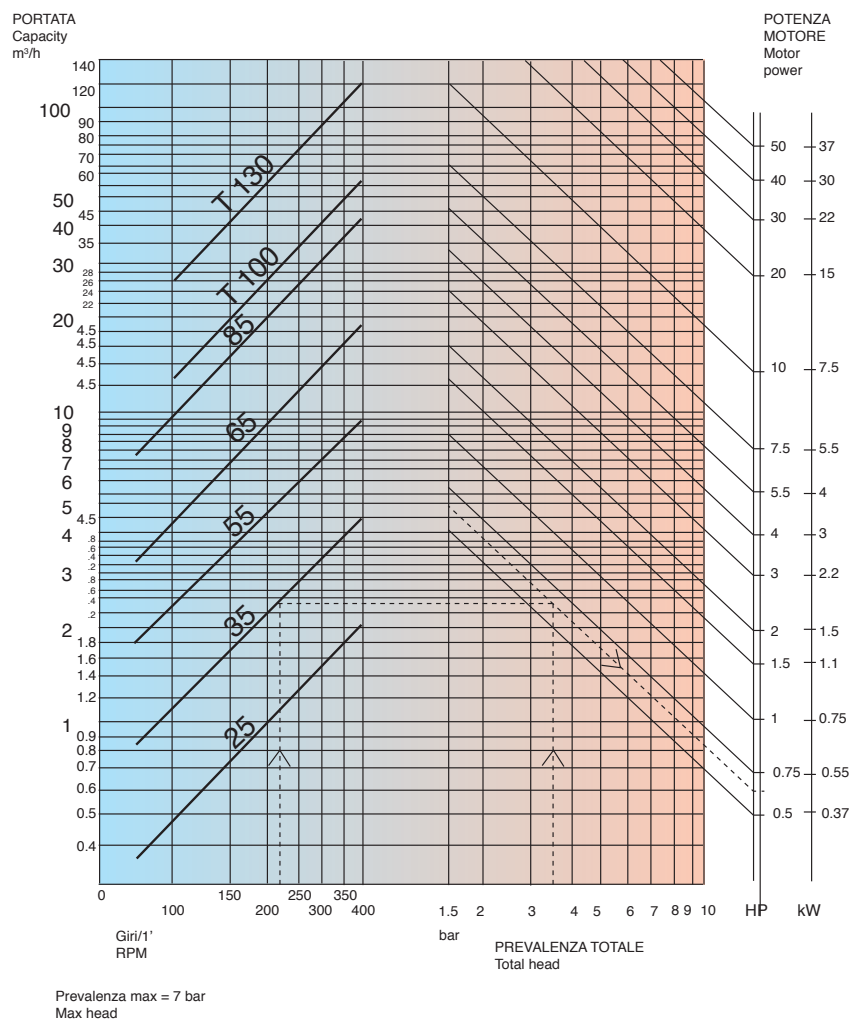
CHOICE OF THE PUMP R.P.M.

The R.P.M. is inversely proportional to the viscosity of the fluid.
The optimum R.P.M. can be determined as in the graphic.



CARATTERISTICHE TECNICHE

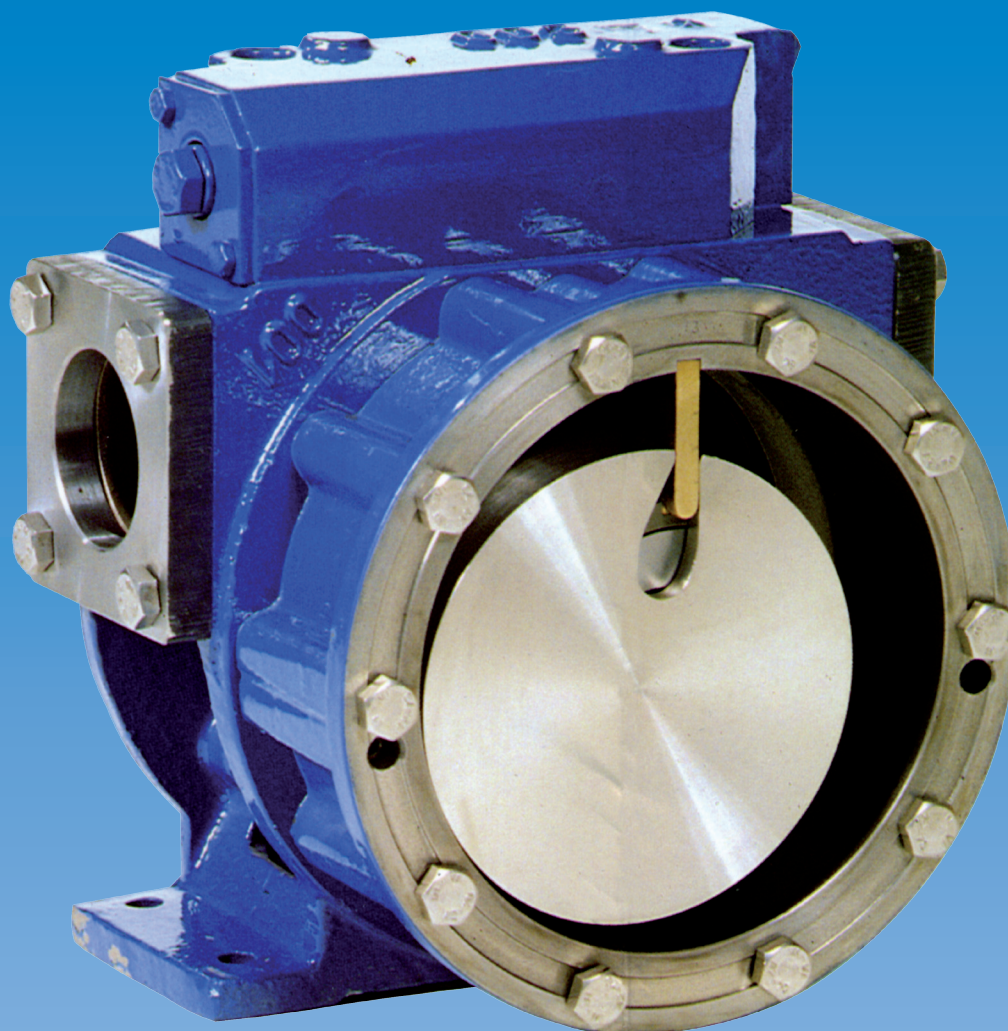
TECNICAL PERFORMANCES



Mod. Size	Bocche Nozzles mm	Tubazioni Pipes	Giri/l' R.P.M. Max	Portata Capacity Max m3/h	Volume Generato Litri/Giro
M25	25	1"	320	1,9	0,10
M35	36	1" ¼	320	4	0,21
M55	52	2"	320	8	0,44
M65	62	2" ½	310	15	0,94
M85	84	3"	280	29	1,80
M100	100	4"	260	40	2,60
T100	100	3"-4"	340	50	2,52
T130	130	4"-5"	340	108	5,40
T160	160	6"	340	160	7,80

La velocità max è ammessa con fluidi lubrificanti e viscosità inferiore a 200 mPa.s (cP).

Maximum speed is allowed with lubricants fluids and viscosity up to 200 mPa.s (cP).



POMPE VOLUMETRICHE PER FLUIDI DI OGNI VISCOSITA'

Positive displacement pumps for all viscosities

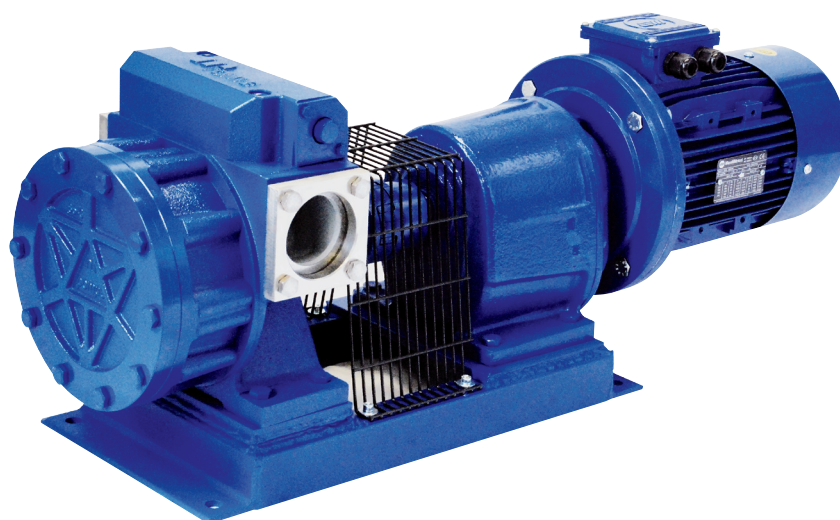
Tipo Type	Materiali Materials	PH	CAMPO DI APPLICAZIONE	FIELD OF APPLICATION
1	B = CI CC = CI GA = ST	6 - 12	Resine, vernici, solventi, inchiostri, smalti, colle, adesivi, amido, olii, grassi, gasolio, nafta, bitume, poliolo, isocianato, slurry, melasso, coda.	<i>Resins, paints, solvents, inks, enamels, glues, adhesives, oil, fat, fuel oil, bitumen, polyol, isocyanate, molasses, sugar, syrups.</i>
2	B = CI CC = BR GA = SS	4 - 8	Resine, colle, solventi, emulsioni, vinavil, addensanti, paste da stampa, detergenti, acqua sentina. Fluidi non lubrificanti, a base acquosa, acidi.	<i>Resins, glue, solvents, vinavil, bilge water. Fluids not lubricating, water based, acid.</i>
5	B = CI CC = SS GA = SS	6 - 13	Oleine, acidi grassi, c.p.b. resine, tensioattivi, saponi. Fluidi acidi, alcalini	<i>Fatty acids, resins, liquid soap. Acid and alkali fluids.</i>
6	B = STNCH CC = SS GA = SS	4 - 13	Liquidi alimentari, acidi e alcalini.	<i>Food, acid and alkali fluids.</i>
7	B = SS CC = SS GA = SS	3 - 13	Detergenti, saponi, shampoo, creme, glucosio, miele. Liquidi alimentari, acidi e alcalini.	<i>Detergents, soaps, shampoo, creams, glucose, honey. Food, acid and alkali fluids.</i>
8	B = CI CC = CI GA = SS	6 - 12	Colle, emulsioni, silicato, stearina, paraffina, adesivi, plastificanti, cioccolato, vernici a base acquosa.	<i>Glues, emulsions, silicate, glycerine, paraffin, adhesives, plasticizer, chocolate, water paints.</i>

B = Base / Base
CC = Corpo e coperchio / Casing and cover
GA = girante ed albero / Impeller and shaft

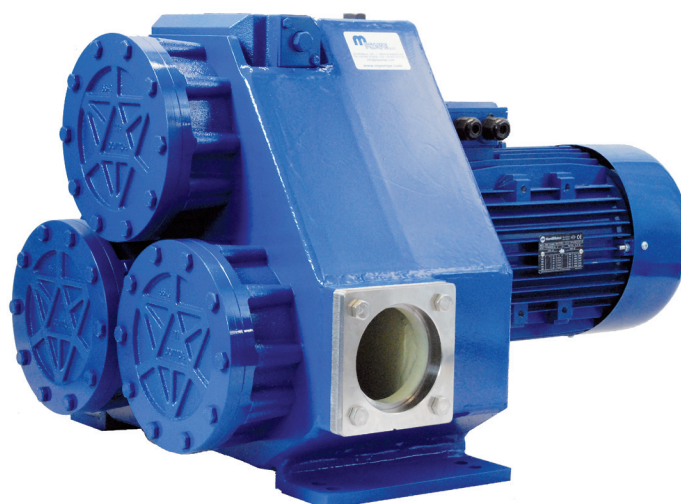
ST = Acciaio / Steel
CI = Ghisa / Cast Iron
SS = Acciaio Inox, Ni-Resist / Stainless Steel
BR = Bronzo / Bronze
STNCH = Acciaio nichelato / Steel nichel plated



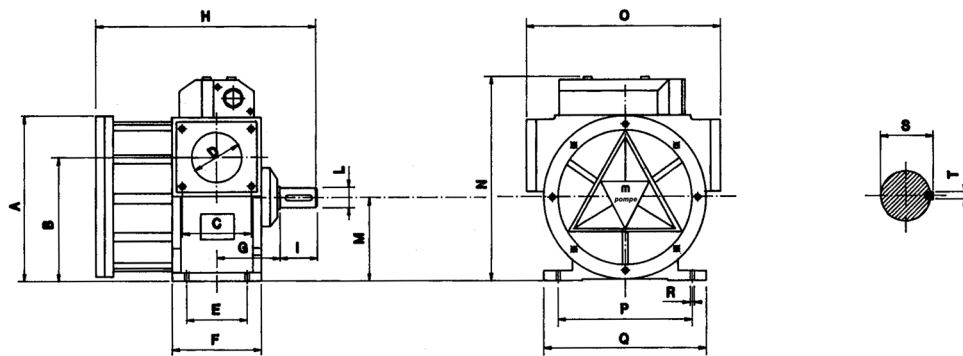
POMPE SINGOLE
BARE SHAFT PUMPS



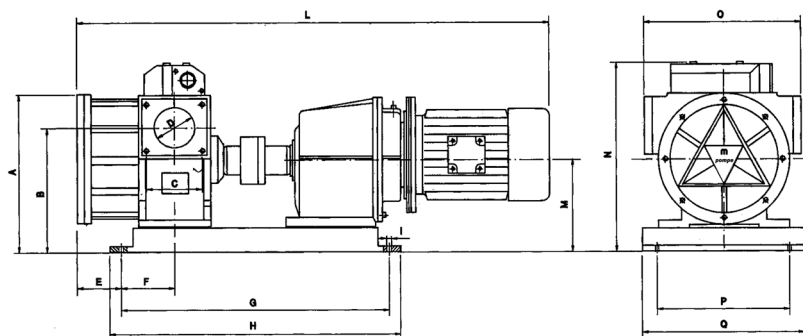
ELETTROPOMPE SINGOLE
ELECTROPUMPS ON BASEPLATE



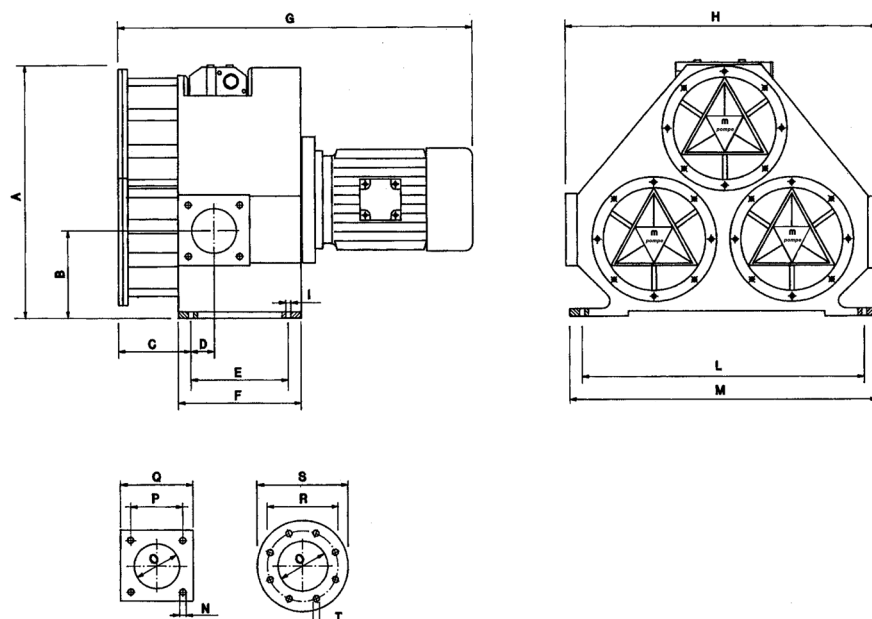
ELETTROPOMPE TRIPLE
ELECTROPUMPS WITH THREE CASING



Mod.	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	T	kg.
25	118	92	52	25	30	52	52	156	28	14	65	-	125	100	125	10	16,3	5	6
35	158	115	48	36	45	76	69	215	36	18	80	205	200	160	190	12	20,5	6	14
55	194	138	65	52	62	95	82	250	45	28	100	250	240	180	210	12	31	8	26
65	232	170	75	62	66	100	86	284	50	28	118	290	235	200	240	12	31	8	34
85	289	215	92	84	80	125	108	345	60	36	145	340	335	240	280	15	39	10	68



Mod.	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	HP	Kg.
25	176	147	52	25	30	45	300	330	9	525	125	-	140	155	175	0,5	25
35	238	195	48	36	40	70	370	410	12	670	160	285	200	180	225	1	45
55	254	198	65	52	40	85	410	450	15	770	160	304	240	220	265	2	70
65	304	242	75	62	63	85	495	535	15	920	190	535	265	220	265	3	95
85	379	305	92	84	74	104	520	560	15	1020	235	430	335	265	305	5,5	160



Mod.	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	T	HP	KG
T100	510	160	130	40	200	270	765	574	15	450	500	14	114	115	110	150	-	-	7,5	310
T130	605	185	148	62	280	340	958	668	15	510	560	18	140	140	140	180	-	-	15	465
T160	720	220	160	85	370	430	1150	800	18	620	680	-	166	-	-	241,5	290	15	30	690

POMPE VOLUMETRICHE A DISCO CAVO OSCILLANTE

Positive displacement pumps with hollow oscillating disk

AUTOADESCANTI

Le pompe si adescano automaticamente anche in condizioni gravose e con notevoli dislivelli
In aspirazione creano un vuoto di 500-600 mm. Hg.

REVERSIBILI

Possono funzionare in entrambi i sensi di rotazione mantenendo inalterate le caratteristiche tecniche.

ELASTICITA' DELLA GIRANTE

Permette l'adattamento a tutte le viscosità, il passaggio di particelle solide ed il recupero dei giochi dovuti ad usura o dilatazioni termiche.

BASSA VELOCITA' DI ROTAZIONE

È particolarmente indicata per il trasferimento di fluidi ad elevata viscosità e da movimentare delicatamente.
È garanzia di sicurezza, affidabilità e lunga durata.

SELF PRIMING

The pumps prime automatically in heavy conditions and remarkable suction levels. The vacuum degree in the suction pipe is 500-600 mm. Hg.

REVERSIBLES

The pumps can run in both directions with same performances.

HOLLOW DISK ELASTICITY

The elastic device allows working at all viscosity, the passage of solid particles and the recovery of clearances due to wear or thermal dilatations.

LOW R.P.M.

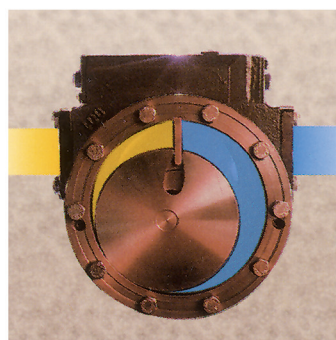
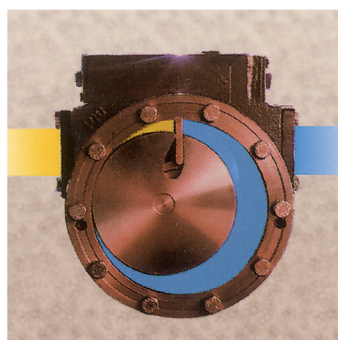
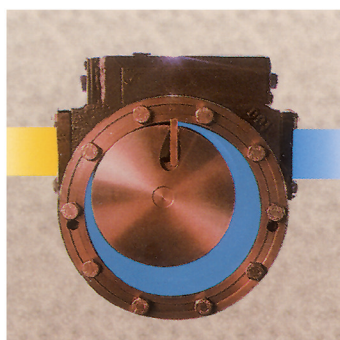
Suitable to handle high viscosity or delicate liquids. It is a guaranty of reliability and long service life.

PRINCIPIO DI FUNZIONAMENTO

Working of the hollow oscillating disk

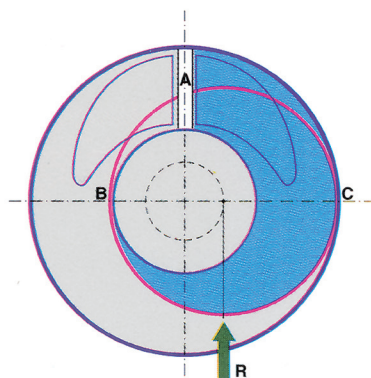
Il disco-girante è imperniato eccentricamente sull'albero della pompa ed è guidato dal diaframma che separa l'aspirazione dalla mandata. Durante la rotazione il disco è mantenuto aderente al corpo tramite la pressione della molla del dispositivo elastico.

The hollow disk is eccentrically hinged on shaft pump and it is guided by the diaphragm that separates suction from discharge. During rotation the hollow disk is kept in contact with pump casing by pressure of the elastic device.



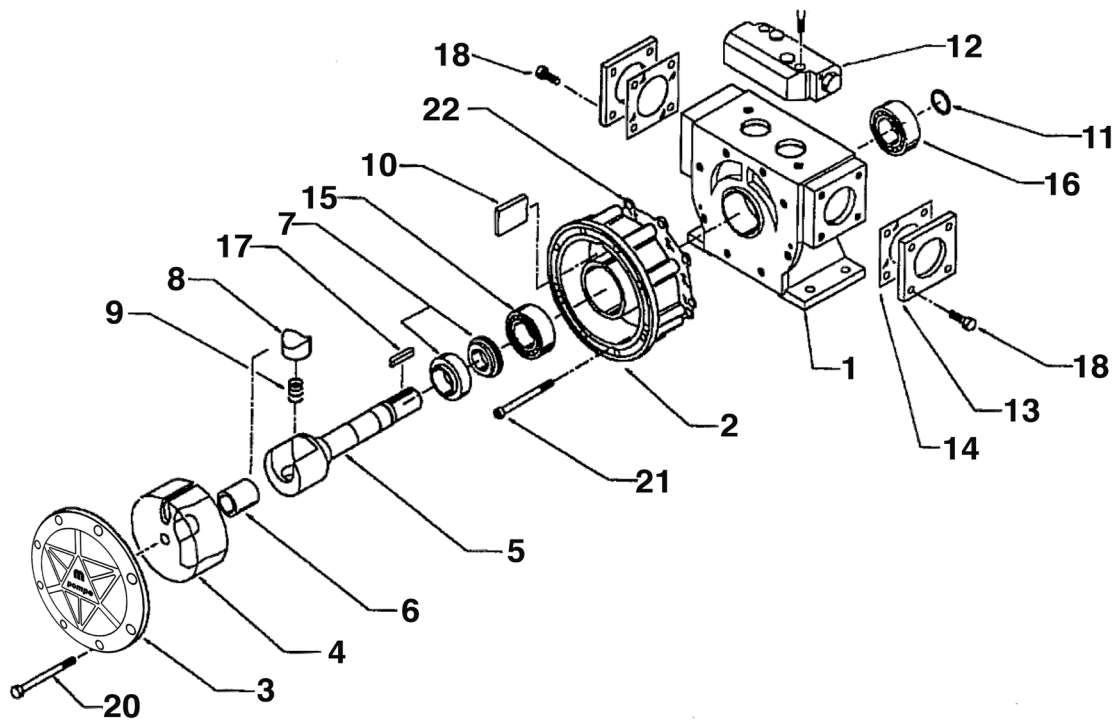
 Fluido in entrata
Fluid drawn in

 Fluido in uscita
Fluid outgoing



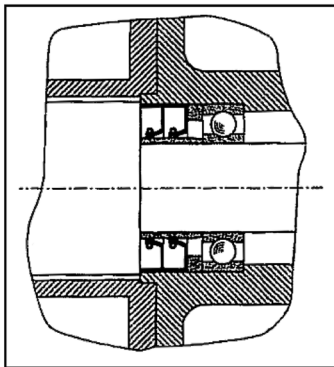
In ogni posizione il disco è equilibrato radialmente e assialmente: gli archi AB e AC hanno uguale pressione interna ed esterna. Non vi sono componenti che tendono ad allontanare il disco del corpo. La risultante delle pressioni ha valore costante ed è tangente alla circonferenza descritta dal centro del disco.

In every position the disk is balanced radially and axially: the arches AB and AC have the same inside and outside pressure. There are no component forces that remove the disc from pump casing. The resulting pressure has a constant value and it is tangent to circumference described by centre of disk.

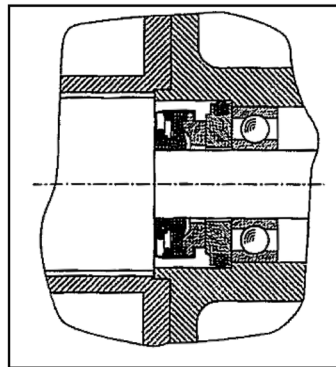


1. Base	Base	9. Molla	Spring	17. Chiavetta	Feather Key
2. Corpo	Casing	10. Diaframma	Diaphragm	18. Vite controflangia	Counterflange Bolt
3. Coperchio	Cover Casing	11. Anello elastico	Circlip	19. Vite by-pass	By Pass Bolt
4. Girante	Impeller	12. Valvola by-pass	By Pass Valve	20. Vite coperchio	Front Cover Bolt
5. Albero	Shaft	13. Controflangia	Counterflange	21. Vite prefissaggio corpo	Casing Preassembly Bolt
6. Bronzina	Bushing	14. Guarnizione controflangia	Gasket Counterflange	22. Guarnizione corpo	Gasket Casing
7. Tenuta meccanica	Mechanical Seal	15. Cuscinetto anteriore	Bearing Front		
8. Lunetta	End Support	16. Cuscinetto posteriore	Bearing Rear		

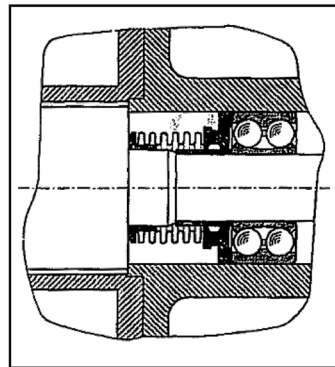
TENUTE / SEALS



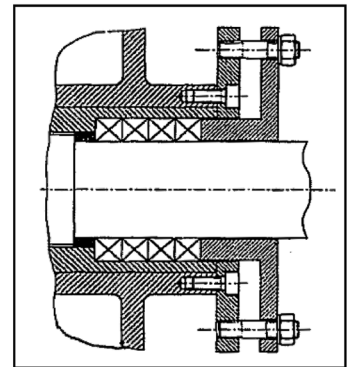
Tipo A-AT
Doppio anello di viton
Doppio labbro di teflon
Double Viton ring
Double Teflon lip



Tipo B-C-D
Tenuta meccanica frontale
Guarnizioni in viton
Front mechanical seal
Viton gaskets



Tipo E
Tenuta frontale a soffietto
con rasamenti in widia
Front bellow seal with
Widia shims



Tipo F
Tenuta a premitreccia
Gland seal

ACCESSORI / ACCESSORIES

Valvola di massima pressione	By pass valve	Prefiltro	Filter
Camicia di riscaldamento	Heating cover	Carrello	Trolley



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