EN

ALFA POMPE

VERONA SINCE 1971

PRODUCT CATALOGUE

Since 1971 **Alfa Pompe** designs, engineers and produces centrifugal pumps for waste water and sludge from industrial processes, suitable for abrasive and acid liquids.
Alfa Pompe has incorporated the brand **EIR**, historical Italian company producer of centrifugal pumps since the '50s in various industrial and manufacturing sectors.

Today **Alfa Pompe** is present in various countries of the world through its commercial network and technical assistance.
Alfa is continuously developing new solutions also for the most demanding industrial sectors, such as mining, aggregates quarries, concrete mixing plants, ceramics, marble and granite processing and many others.

ALFA POMPE
SINCE 1971

Alfa Pompe
Alfa pumps are designed and built specifically for different Industries and applications.
Their performance is developed to meet any requirement of abrasive liquids, acids, liquid and dense slurries.

The materials used to manufacture Alfa pumps range goes from the ductile iron to the super alloys, depending on the industrial application.
The pump bodies can be lined internally with abrasion-resistant rubber (either with externally adjustable from the outside, or by vulcanisation).

All pumps can be driven by an inverter. This allows great adaptability to the system to the plant served.

The design, materials and construction of Alfa pumps make them particularly resistant and easy to maintain.

VERTICAL ANTI-ABRASIVE DIRECT-COUPLED PUMP

SPUTNIK

FIELDS OF APPLICATION:

Special pumps designed and developed for conveying highly abrasive liquids from stone processing (workshops and sawmills), from the treatment/washing of aggregates, the recovery of cementitious water and in the glass and ceramic processing sectors.
Vertical axis with sealed chamber bearings dimensioned in such a way as to allow the lower part of the shaft to work overhanging without supports immersed in the liquid.

The special feature of these pumps is the absence of the stuffing box which, in contact with the abrasive liquid, would have a minimal life span.
The application of an anti-abrasive rubber tube is recommended to be placed between the pump delivery curve and the fixed piping of the system for vibration dampening and ease of installation.
As this type of pump is not self-priming, the liquid must always cover the body/impeller assembly.

OPERATING CHARACTERISTICS

PGM TYPE	Flow rate																													RPM Speed	KW Motor	Ø.mm Piping	Ø.mm Impeller	Kg/lt Specific weight
	m³/h	6	9	12	18	24	30	45	60	75	90	105	120	135	150	180	210	240	270	300	330	360	390	420	450	480	510	540					
	l/1'	100	150	200	300	400	500	750	1000	1250	1500	1750	2000	2250	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000					
29		19	18	14	18	10,5																							2860	4	60	135	1,5
45		11	10,5	10	8,5	7																							1425	4	60	180	1,7
65				15	14,5	14	13,5	7,5																					1450	7,5	70	210	1,7
75					17,5	17	16,5	15	13	11																			1455	11	100	240	1,7
75S						20,5	20	18,5	16,5	14,5	12																		1460	15	100	265	1,7
101							18,5	18	17	16	15	13,5	12	10															970	18,5	100	375	1,7
122									18,5	18	17,5	16,5	16	15,5	15	13,5	12	10											970	22	125	360	1,7
123										21	20,5	20	19,5	19	18	17	15,5	13,5	12	10									975	30	150	380	1,8
125											22,5	22	21,5	21	20	18,5	17	15,5	13,5	11,5									975	37	150	400	1,8
158												15	15	14,5	14,5	14	13,5	13	12	11,5	11	10	8,5						735	37	180	440	1,8
160													19,5	19	18,5	18	17,5	17	16	15	14	13	12	11	10				980	45	180	390	1,8
168-168S															17	16,5	16	15,5	15	14,5	13,5	12,5	11,5	10,5	8,5				735	45	180	465	1,8
168S/455															16	16	15,5	15	14,5	13,5	12,5	11,5	10,5	9					735	45	180	455	1,8
178															18,5	18	17,5	17	16,5	16	15	14	13	12	10,5				735	55	200	475	2
198/460																18,5	18	17,5	17	16,5	16	15,5	14,5	14	13	12	11		735	75	200	460	2
198/470																19,5	19	18,5	18	17,5	17	16,5	16	15	14,5	13,5	12,5	11	735	75	200	470	2
200	HEAD in mt.														22,5	22	21,5	21	20	19	18	17	16	15	14	13			980	55	200	415	1,8

Indicative data - pump curve flow rates / Measurement made with water / kW motors for liquids with indicated specific weight.

TECHNICAL SPECIFICATIONS

AXIS
Vertical pump with sealed chamber bearings sized to allow the lower part of the shaft to operate without supports submerged in the liquid.

COUPLING
With a two-piece flexible coupling complete with protective casing.

BODY
Made of cast iron divided into two halves with a protective coating of our special moulded wear-resistant compound, consisting of replaceable shells that can be adjusted from the outside, both to allow rapid and convenient replacement and to eliminate any backlash caused by normal wear. In the smaller series the bodies are vulcanised, with shells only on request.

OUTLET CURVE
With interchangeable rubber sleeve for connecting the pump to the discharge pipe.

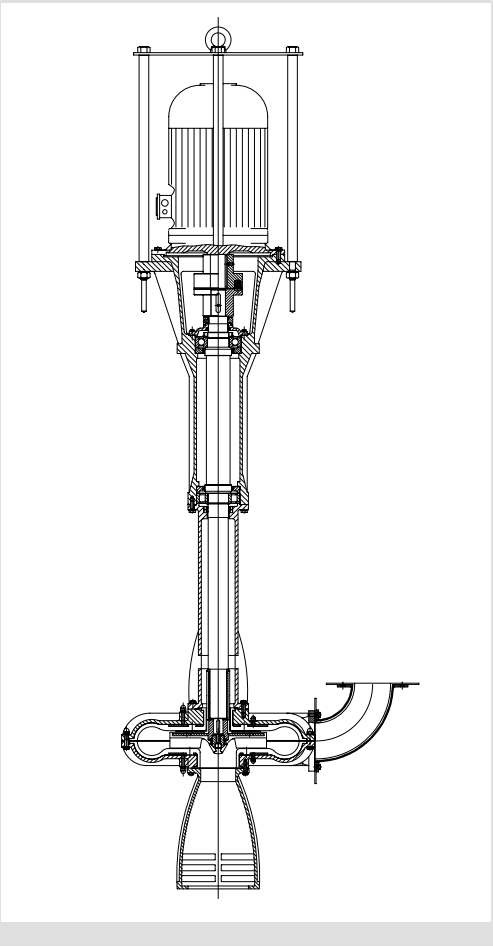
IMPELLER
Anti-clogging open-type, consisting of a steel core coated with a special anti-abrasive compound.

SUCTION STRAINER
Made of cast iron, specially sized and shaped for liquid suction.

SUPPORT GROUP WITH RINGBOLT
Usually supplied because they are needed for lifting operations

PUMP STOP
Bracket for fixing the pump to the wall.

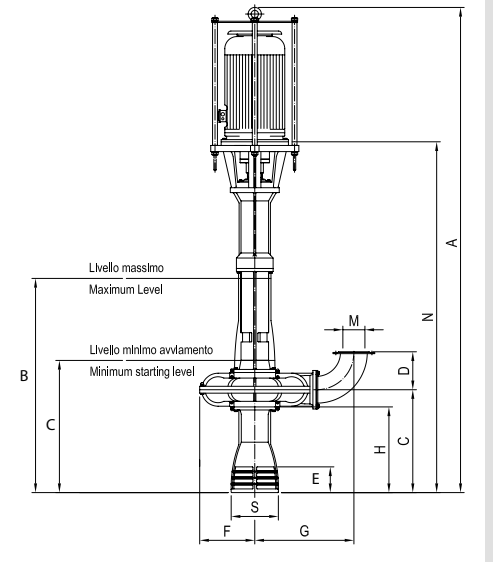
EXTENSION TO THE SUCTION STRAINER
On specific request, there is the possibility of inserting an extension between the suction strainer and the lower body in order to increase the distance between the lower bearing and the liquid level, or to allow the electric motor to remain outside the tank.



DIMENSION

TYPE	DIMENSION in mm										WEIGHT KG
	A	B	C	D	E	F	G	H	M	N	
29	1755	780	310	165	125	140	325	250	50	1290	135
45	1755	780	310	165	125	175	370	250	50	1290	142
65	2560	1060	420	175	105	205	440	330	70	1990	330
75	2690	1050	415	200	105	260	475	330	100	1990	360
75S	2690	1050	415	200	105	260	475	330	100	1990	375
100	3355	1450	515	205	115	360	580	400	100	2550	730
121	3340	1500	615	420	145	400	610	500	125	2600	790
123	3505	1500	615	420	145	400	610	500	150	2630	910
125	3505	1500	615	420	145	400	610	500	150	2630	950
158	3965	1750	840	310	210	450	810	700	175	2870	1130
160	3965	1750	840	310	210	450	810	700	175	2870	1130
168S	3965	1750	840	310	210	450	810	700	175	2870	1180
178	3995	1750	840	310	210	450	810	700	175	2900	1370
198	4105	1750	840	310	210	465	775	700	200	2910	1650
200	3965	1750	840	310	210	450	810	700	175	2870	1300

Non-binding dimensions and weights.



VERTICAL ANTI-ABRASIVE PUMP WITH BELT COUPLING

TOWER

FIELDS OF APPLICATION:

Special pumps designed and developed for conveying highly abrasive liquids from stone processing (workshops and sawmills), from the treatment/washing of aggregates, from the recovery of cementitious water and in the glass and ceramic processing sectors. Vertical axis with sealed chamber bearings dimensioned in such a way as to allow the lower part of the shaft to work overhanging without supports immersed in the liquid.
The bodies are divided into two halves and coated with a special anti-abrasive moulded compound (consisting of replaceable and externally adjustable shells).
The impeller is an anti-clogging open type consisting of a steel metal core coated with an anti-abrasive compound. An extension between the sucker and the lower bodyIt is possible, on request, to fit an extension between the intake- side strainer and the lower body to increase the maximum immersion height of the pump in order to avoid contact between the liquid to be pumped and the lower bearing (or to keep the electric motor outside the tank/well).
Coupled to the motor by means of belts and pulleys, with the possibility of varying the speed and performance of the pump by adapting the electric motor and the type of pulleys and belts.

OPERATING CHARACTERISTICS

PUMP		Flow rate																								RPM Speed	Ø Impeller
	m³/h	12	18	24	30	45	60	75	90	105	120	135	150	180	210	240	270	300	330	360	390	420	450	480			
	l/1'	200	300	400	500	750	1000	1250	1500	1750	2000	2250	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000		
TWR65	HEAD in mt.	15	14,5	14	13,5	12	7,5																		1450	210
			21	20,5	20	18,5	16																		1750	210
			27,5	27	26,5	25	23																		2000	210
TWR75			17,5	17	16,5	15	13	11																	1455	240
				26	25,5	23,5	21,5	19																	1750	240
				30	29,5	28	25,5	23																	1900	240
TWR75S				20,5	20	18,5	16,5	14,5	12																1460	265
				30,5	30	28,5	26,5	24,5	21,5																1750	265
TWR100					18,5	18	17	16	15	13,5	12	10													970	375
						23	22	21	20	18,5	17	15,5	13,5												1100	375
						25	24	23	21,5	20	18,5	17	15												1150	375
TWR121							18,5	18	17,5	16,5	16	15,5	15	13,5	12	10	8								970	360
								23	22,5	22	21,5	21	20	18,5	16,5	14,5	12,5								1100	360
								25	24,5	24	23,5	22,5	21,5	20	18,5	16,5	14,5								1150	360
TWR123								21	20,5	20	19,5	19	18	17	15,5	13,5	12	10							975	380
								27	26,5	26	25,5	25	24	23	21,5	19,5	17,5	15							1100	380
								29	28,5	28	27,5	27	26	24,5	23	21	19	17							1150	380
TWR125								23	22,5	22	21,5	20,5	20	18,5	17	15,5	13,5	11,5							975	400
									26	25,5	25	24,5	23,5	22	20,5	19	17	15							1050	400
									29	28,5	27	26	27	25	23,5	21,5	19,5	17							1100	400
TWR158									15,5	15	15	14,5	14,5	14	13,5	13	12	11,5	11	10	8,5	7,5			735	440
TWR160										20	19,5	19	18,5	18	17,5	17	16	15	14	13	12	11	10		980	390
											23	22,5	22	21,5	20,5	20	19	18	17	16	15	14			1050	390
											25,5	25	24,5	24	23,5	22,5	21,5	20,5	19,5	18,5	17,5	16			1100	390
TWR168S														16,5	16	15,5	15	14,5	13,5	12,5	11,5	10,5	8,5		735	465
TWR200												23	22,5	22	21,5	20,5	20	19	18	17	16	15	14	13	980	415
													26,5	26	25,5	24,5	24	23	22	21	20	19	17,5	16	1050	415
													29	28,5	28	27	26	25	24	23	22	21	19,5	18,5	1100	415

Indicative data variable according to the nature of the liquid, geodetic head values (excluding pressure drops) rounded to the nearest 0.5 m

TECHNICAL SPECIFICATIONS

AXIS
Vertical pump with sealed chamber bearings sized to allow the lower part of the shaft to operate without supports immersed in the liquid.

COUPLING
Using V-belts with the possibility, by varying the size and type of belts and pulleys, to increase or decrease the flow rate/head of the pump itself (depending on the number of revolutions to be obtained). Depending on the performance required, the type of pump supplied can also be with direct coupling (PGM type). Both versions come complete with protective covers.

BODY
IIn cast iron divided into two halves with protective coating in our special moulded wear-resistant compound, consisting of replaceable shells that can be adjusted from the outside, both to allow rapid and convenient replacement and to eliminate any backlash caused by normal wear.

OUTLET CURVE
With interchangeable rubber sleeve for connecting the pump to the delivery pipe.

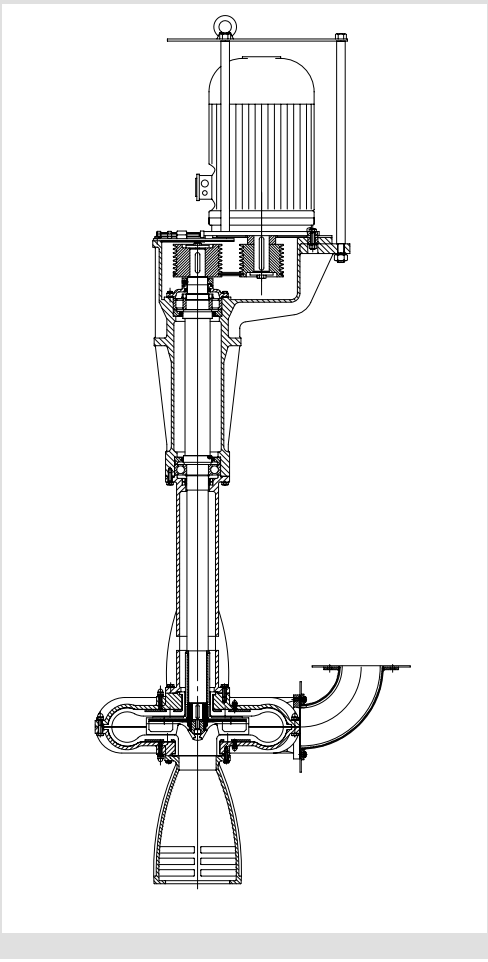
IMPELLER
Open-type anti-clogging, consisting of a steel core coated with a special anti-abrasive compound.

SUCTION STRAINER
Made of cast iron, specially sized and shaped for liquid suction.

SUPPORT GROUP WITH RINGBOLT
Usually provided because they are needed for lifting operations.

PUMP STOP
Bracket for fixing the pump to the wall.

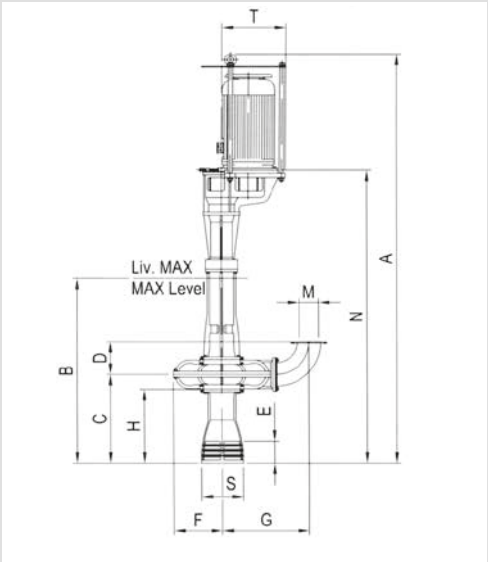
EXTENSION TO THE SUCTION STRAINER
On specific request, there is the possibility of inserting an extension between the suction strainer and the lower body in order to increase the distance between the lower bearing and the liquid level, or to allow the electric motor to remain outside the tank.



DIMENSION

PUMP	DIMENSION in mm												WEIGHT KG
	A	B	C	D	E	F	G	H	M	N	S	T	
65	2500	1060	420	175	105	205	440	330	70	1925	270	395	355
75	2630	1050	415	200	105	260	475	330	100	1925	270	395	390
75S	2630	1050	415	200	105	260	475	330	100	1925	270	395	415
100	3300	1450	515	205	115	360	580	400	100	2485	280	485	770
121	3350	1500	615	420	145	400	610	500	125	2535	240	485	840
123	3410	1500	615	420	145	400	610	500	150	2535	340	595	965
125	3410	1500	615	420	145	400	610	500	150	2535	340	595	1015
158	3870	1750	840	310	210	450	810	700	175	2775	385	595	1195
160	3870	1750	840	310	210	450	810	700	175	2775	385	595	1190
168S	3870	1750	840	310	210	450	810	700	175	2775	385	595	1230
200	3870	1750	840	310	210	450	810	700	175	2775	385	595	1340

Non-binding dimensions and weights.



VERTICAL PUMP - SPECIAL FOR DENSE SLUDGE

GEYSER

FIELDS OF APPLICATION:

This is a type of pump traditionally and historically produced by Alfa.

It has been designed to empty settling tanks and therefore to handle even particularly dense sludge (up to 2 kg/dm^3).

The pump is immersed in the dense sludge, which falls into the pumping unit casing, which is made entirely of metal with a ductile iron impeller.

In addition, since the pumping unit is made of spheroidal cast iron and not of rubber, GEISER series pumps can operate for short periods even in the absence of liquid.
A special feature of these pumps is the absence of a stuffing box, which would have a very short life in contact with the abrasive liquid. An anti-abrasive rubber tube is applied between the delivery curve of the pump and the fixed piping of the system to act as a vibration damper.

OPERATING CHARACTERISTICS

PUMP		Flow rate													SPEED	MOTOR
	HEAD	m³/h	6	9	12	18	24	30	45	60	75	90	105	120	RPM	kW
		l/1'	100	150	200	300	400	500	750	1000	1250	1500	1750	2000		
GSR 40		m.c.a.	13	12,5	12	11	10	8,5							1450	4
		m.c.l.*	7,5	7	6,5	5	3,5									
GSR 80		m.c.a.					18	17,5	16,5	15,5	14,5	13,5	12	10,5	1450	15
		m.c.l.*					10,5	10	9	8	6,5	4				

Indicative data, at the delivery outlet, variable according to the nature of the fluid. Measurement with water.
** Capacities indicated for mixtures with 70% solids*
- Maximum specific weight 2.5 kg/dm³.

TECHNICAL SPECIFICATIONS

AXIS
Vertical pump with sealed chamber bearings sized to allow the lower part of the shaft to operate without supports immersed in the liquid

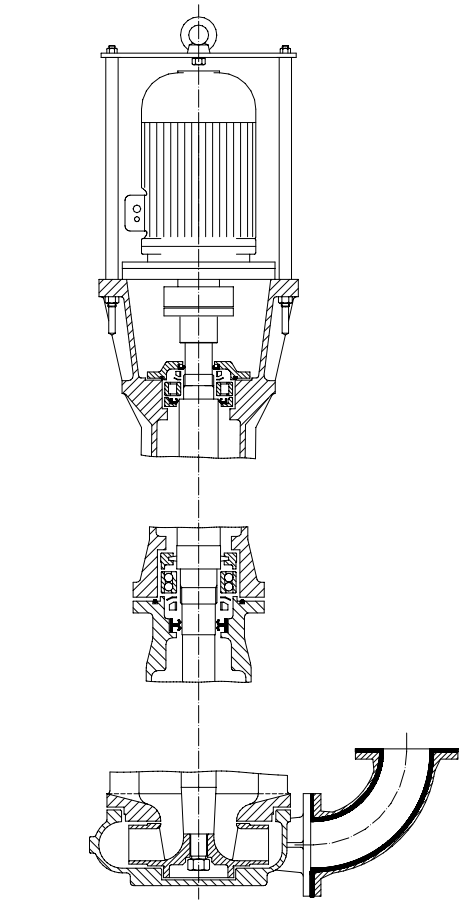
BODY
In cast iron divided into two halves with protective coating in our special moulded wear-resistant compound, consisting of replaceable shells that can be adjusted from the outside, both to allow rapid and convenient replacement and to eliminate any backlash caused by normal wear.

OUTLET CURVE
With interchangeable rubber sleeve for connecting the pump to the delivery pipe.

IMPELLER
Spheroidal cast-iron channel.

SUPPORT GROUP WITH RINGBOLT
Usually supplied because they are necessary for lifting operations.

PUMP STOP
Bracket for fixing the pump to the wall.

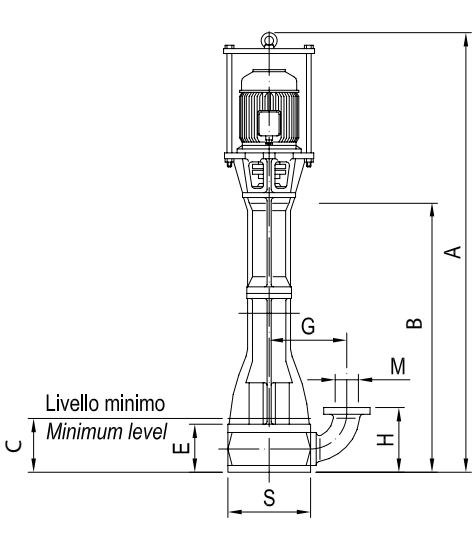


DIMENSIONS

PUMP	DIMENSION								WEIGHT	WEIGHT without motor
	A	B*	C*	E	G	H	M	S	Kg	Kg
GSR 40	1610	900	150	130	315	200	70	280	145	114
GSR 80	2500	1550	180	155	430	275	100	365	350	265

**B = MAXIMUM LEVEL*
**C = MINIMUM LEVEL*

Non-binding dimensions and weights.



ANTI-ABRASIVE SUPERALLOY CENTRIFUGAL
SINGLE-BODY HORIZONTAL AXIS PUMP

DIABLO

FIELDS OF APPLICATION:

Designed and engineered to feed filter presses; can be supplied with single or dual speed motors, with pump-motor coupling via belts and pulleys or direct coupling via coaxial coupling.

Depending on the version you can have a flow rate range from 100 l/min to 10,000 l/min with closed pressures up to 8-9 bar.

The bodies and impellers can be made of superalloys. The suction inlet is positioned in such a way that the sludge does not come into direct contact with the mechanical seals, which are made of tungsten carbide, drained with water and protected by a pressurised barrier chamber.

OPERATING CHARACTERISTICS

PUMPS	CAPACITY	PRESSURE (at pump outlet)		PIPES	
	(m3/h)	mH2O	bar*	Inlet DN	Outlet DN
DBL550-1H	60 - 70	63	8	120	65
DBL650-1H	90 - 120	65	8	125	65
DBL1025-1H	150-180	55	7.5	150	75
DBL1050-1H	200 - 250	70	9	175	125
DBL220-1H	300 - 560	70	9	200	175

** Pressure with sludge density 1.4*

TECHNICAL SPECIFICATIONS

AXIS
Horizontal pump with sealed chamber bearings dimensioned in such a way as to allow the front part of the shaft to work overhanging without supports immersed in the liquid.

COUPLING
Using V-belts and trapezoidal pulleys with protective casing.

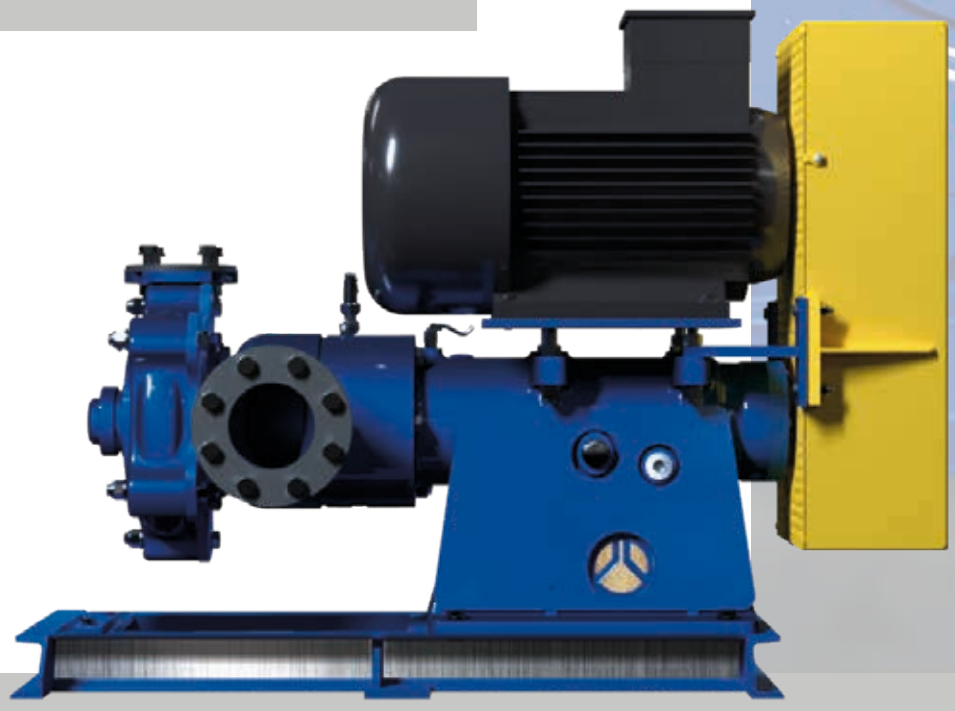
BODY
With axial suction port and discharge port facing upwards.

IMPELLER
Anti-clogging, made of abrasion-proof superalloy

SEALING GROUP
Consists of a double flushed seal.

BASE
Steel pump floor support frame.

HPT
HIGH PRESSURE
TECHNOLOGY
READY



SUPERALLOY ANTI-ABRASIVE CENTRIFUGAL
DOUBLE BODY HORIZONTAL AXIS PUMP

DELTA

FIELDS OF APPLICATION:

Designed and engineered to feed filter presses; they can be supplied with single or double speed motors, with pump-motor coupling via belts and pulleys or with direct coupling via coaxial coupling.

Depending on the version you can have a flow rate range from 100 l/min to 10,000 l/min with closed pressures of up to 16-17 bar.

The bodies and impellers can be made of superalloys. The suction inlet is positioned in such a way that the sludge does not come into direct contact with the mechanical seals, which are made of tungsten carbide, drained with water and protected by a pressurised barrier chamber.
The functionality of the bearings is guaranteed by oil bath lubrication.

OPERATING CHARACTERISTICS

PUMPS	CAPACITY	PRESSURE (at pump outlet)		PIPES	
	(m3/h)	mH2O	bar*	Inlet DN	Outlet DN
DLT550-2H	60 - 70	126	16	120	65
DLT650-2H	90 - 120	116	16	125	65
DLT1025-2H	150-180	120	16	150	100
DLT1050-2H	200 - 250	116	16	175	125
DLT220-2H	300 - 560	121	16	200	175

** Pressure with sludge density 1.4*

TECHNICAL SPECIFICATIONS

AXIS
Horizontal pump axis with sealed chamber bearings sized to allow the front of the shaft to work overhanging without supports immersed in the liquid.

COUPLING
Using V-belts and trapezoidal pulleys with protective casing.

BODY
With axial suction port and discharge port facing upwards.

IMPELLER
Anti-clogging impeller, made of abrasion-proof superalloy

SEALING GROUP
Consisting of a double flushed seal.

BASE
Steel pump floor support frame.

HPT
HIGH PRESSURE
TECHNOLOGY
16 BAR

SUPERALLOY ANTI-ABRASIVE CENTRIFUGAL
TRIPLE BODY HORIZONTAL AXIS PUMP

HURACAN

FIELDS OF APPLICATION:

Designed and engineered to feed filter presses; they can be supplied with single or double speed motors, with pump-motor coupling via belts and pulleys or with direct coupling via coaxial coupling.
Depending on the version you can have a flow rate range from 100 l/min to 10,000 l/min with closed pressures up to 21 bar.

The bodies and impellers can be made of superalloys. The suction inlet is positioned in such a way that the sludge does not come into direct contact with the mechanical seals, which are made of tungsten carbide, drained with water and protected by a pressurised barrier chamber.
The functionality of the bearings is guaranteed by oil bath lubrication.

OPERATING CHARACTERISTICS

PUMPS	CAPACITY	PRESSURE (at pump outlet)		PIPES	
	(m^3/h)	mH2O	bar*	Inlet DN	Outlet DN
HRC550-3H	60 - 70	158	21	120	65
HRC650-3H	90 - 120	150	21	125	65
HRC1050-3H	200 - 250	150	21	175	125

** Pressure with sludge density*

TECHNICAL SPECIFICATIONS

AXIS
Horizontal pump axis with sealed chamber bearings sized to allow the front of the shaft to work overhanging without supports immersed in the liquid.

COUPLING
Using V-belts and trapezoidal pulleys with protective casing.

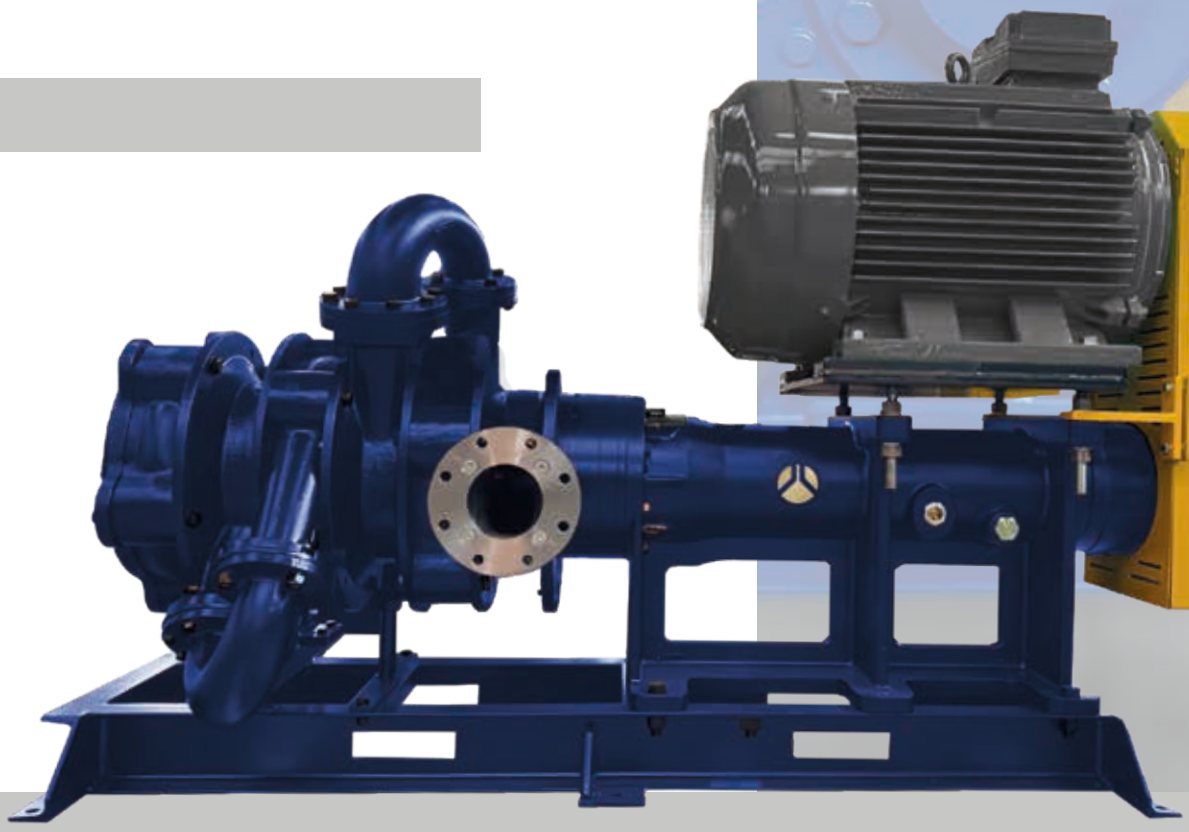
BODY
With axial suction port and discharge port facing upwards.

IMPELLER
Anti-clogging impeller, made of abrasion-proof superalloy

SEALING GROUP
Consisting of a double flushed seal.

BASE
Steel pump floor support frame.

HPT
HIGH PRESSURE
TECHNOLOGY
21 BAR



HORIZONTAL AXIS CENTRIFUGAL PUMP

ENOLA

FIELDS OF APPLICATION:

Designed for loading filter presses, they are supplied with one or two speed motors (the first for the loading phase and the second for the pressing phase) according to the customer's requirements. They can reach a final pressure of over 7 Bar. In addition to the fully rubberized pumping unit, the discharge port can be swivelled so that the sludge is directed directly onto the impeller without coming into contact with the seals;
The seal assembly consists of a double mechanical seal made of tungsten carbide drained with water and protected by a barrier chamber pressurised with grease and pressure.

OPERATING CHARACTERISTICS

TYPE PSO	CAPACITY									PRESSURE in bar			SPEED	Motor	Pipes
	m³/h	3,6	7,2	12	18	24	30	36	48	MAXIMUM SPECIFIC WEIGHT					
	l/1'	60	120	200	300	400	500	600	800	1,3	1,5	1,6	RPM	KW	Ø mm
PSO 45	HEAD in mt.	33	32	31	30	27	22	-	-	4,2	4,9	-	2900	1	50
PSO 50		40	39	38	37	35	30	-	-	5,2	6	-	2900	15	50
PSO 55		10	9,5	9	7,5	6	-	-	-	1,3	1,5	-	1450	11/9 2/4 p.	50
		40	39	38	37	-	-	-	-	5,2	6	-	2900		
PSO 75		11	11	10,5	10	9,5	9	8	6	1,4	1,6	1,7	1150	18,5/15 2/4 p.	70
		43,5	43,5	43	42	40,5	-	-	-	5,6	6,5	6,9	2300		
		12,5	12,5	12	11,5	11	10,5	10	8	1,6	1,8	-	1230		
		49,5	49	48,5	47,5	46	-	-	-	6,4	7,4	-	2450		
		14	14	13,5	13	12,5	12	11	9	1,8	-	-	1300		
		56	55,5	55	54	53	-	-	-	7,3	-	-	2600		

Indicative data variable according to the nature of the fluid, measured at the pump port.

TECHNICAL SPECIFICATIONS

AXIS
Horizontal pump axis with sealed chamber bearings sized to allow the front of the shaft to work overhanging without supports immersed in the liquid.

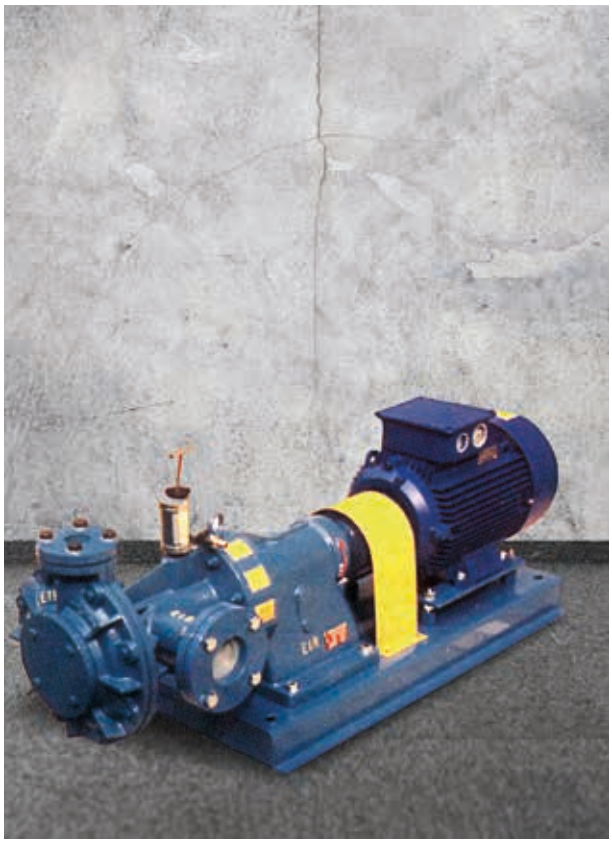
COUPLING
Using V-belts and trapezoidal pulleys or coupling (with protective casing).

IMPELLER
Open-type anti-clogging, consisting of a steel core coated with a special anti-abrasive compound.

SEALING GROUP
Consisting of a double mechanical seal in tungsten carbide drained with water protected by a pressurised barrier chamber and constant pressure.

BODY
Made of cast iron divided into two halves with a protective coating of our special moulded wear-resistant compound, consisting of replaceable shells.
PSO 45, 50 and 55 models have bodies with a special wear-resistant compound vulcanised directly onto the cast iron. With axial suction port and radial discharge port facing upwards.

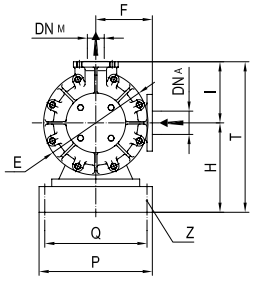
BASE
Steel for fixing the pump to the floor.

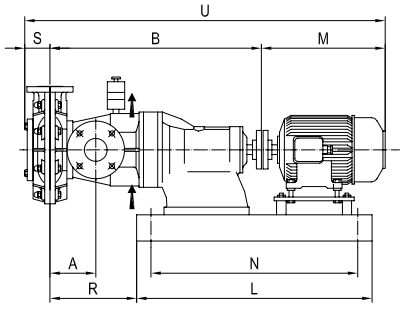


OVERALL DIMENSIONS

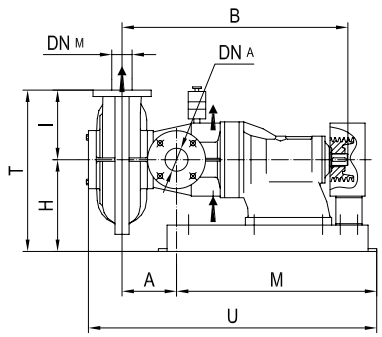
PUMPS	DIMENSION in mm																		
	DMA	DNM	A	B	C	F	G	H	I	L	M	N	P	Q	R	S	Z	COMPLETE	ONLY PUMP
PSO 45	80	40	155	740	175	200	-	315	205	1050	650	960	450	300	295	85	22	305	150
PSO 50	80	40	155	740	175	200	-	315	205	1050	650	960	450	300	295	85	22	315	150
PSO 55	80	40	155	740	175	200	-	315	205	1050	650	960	450	300	295	85	22	315	150

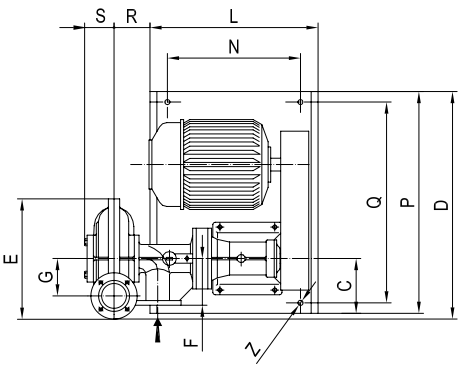
Non-binding dimensions and weights.





PUMP	DIMENSION in mm																		
	DMA	DNM	A	B	C	F	G	H	I	L	M	N	P	Q	R	S	Z	COMPLETE	ONLY PUMP
PSO 75	80	70	182	260	235	200	160	315	240	720	652	570	950	860	153	115	22	415	185





HORIZONTAL SINGLE-BODY CENTRIFUGAL RUBBER LINED PUMP

LEVANTE

OPERATING CHARACTERISTICS

HPT HIGH PRESSURE TECHNOLOGY READY

PUMPS	CAPACITY													Speed impeller	Motor frequency	Impeller
	m³/h	0	30	60	85,2	90	120	150	180	210	240	270	300	RPM	Hz	Ø mm
LVT450- 1G	HEAD mt	14,92	12,87	6,98	-	-	-	-	-	-	-	-	-	1470	35	200
		30,45	27,96	22,62	14,25	-	-	-	-	-	-	-	-	2100	50	
LVT550- 1G		21,09	16,34	10,71	-	-	-	-	-	-	-	-	-	1400	35	250
		43,05	36,09	29,50	21,85	-	-	-	-	-	-	-	-	2000	50	
LVT650- 1G		27,78	24,96	19,55	-	-	-	-	-	-	-	-	-	1330	35	300
		56,70	53,38	47,20	41,05	39,90	-	-	-	-	-	-	-	1900	50	
LVT1050- 1G		30,08	28,78	27,08	25,34	24,98	22,48	19,58	16,28	12,58	-	-	-	1015	35	400
		60,90	59,85	57,78	56,47	55,23	52,20	48,72	44,80	40,93	30,16	30,98	25,90	1450	50	

Indicative data variable according to the nature of the fluid, measured at the pump port.

HORIZONTAL DOUBLE-BODY CENTRIFUGAL PUMP

EVO

HPT
HIGH PRESSURE
TECHNOLOGY
16 BAR

PUMPS	CAPACITY													Speed impeller	Motor frequency	Impeller
	m³/h	0	30	60	85,2	90	120	150	180	210	240	270	300	RPM	Hz	Ø mm
EVO550-2G	HEAD mt	36,53	25,83	2,33	-	-	-	-	-	-	-	-	-	1400	35	200
		74,55	61	36,88	4,75	-	-	-	-	-	-	-	-	2000	50	
EVO650-2G		59,19	54,02	43,59	30,23	-	-	-	-	-	-	-	-	1400	35	300
		120,75	114,80	103	91,61	86,78	68,12	-	-	-	-	-	-	2000	50	
EVO1050-2G		41,40	40,80	39,61	37,87	35,64	32,96	-	-	-	-	-	-	860	35	400
		- 117,94	- 117,10	- 115,67	- 113,67	- 112,14	- 108,12	- 23,88	- 20,45	- 17,71	- 13,72	- 9,52	- 5,16	1550	50	

Indicative data variable according to the nature of the fluid, measured at the pump port.

HORIZONTAL CENTRIFUGAL MONOBLOCK PUMP

NEPTUNE

FIELDS OF APPLICATION:

Pump designed to meet the needs of feeding small filter presses.
The application of an anti-abrasive rubber tube between the pump outlet and the fixed pipework to the filter press is recommended for vibration dampening and ease of installation.

As this type of pump is not self-priming, operation must take place under head.
Designed for extremely heavy-duty service, they are highly reliable and cost-effective thanks to their exceptional robustness.

OPERATING CHARACTERISTICS

PUMPS	CAPACITY							PRESSURE IN BAR		RPM	kW	mm
	m^3/h	3,6	7,2	12	18	24	30	SPECIFIC WEIGHT				
	l/1'	60	120	200	300	400	500	1,3	1,5			
PSOM 15	mt	38	37	34	28	23	15	4,9	5,7	2910	11	50

Indicative data variable according to the nature of the fluid, measured at the pump port.

TECHNICAL SPECIFICATIONS

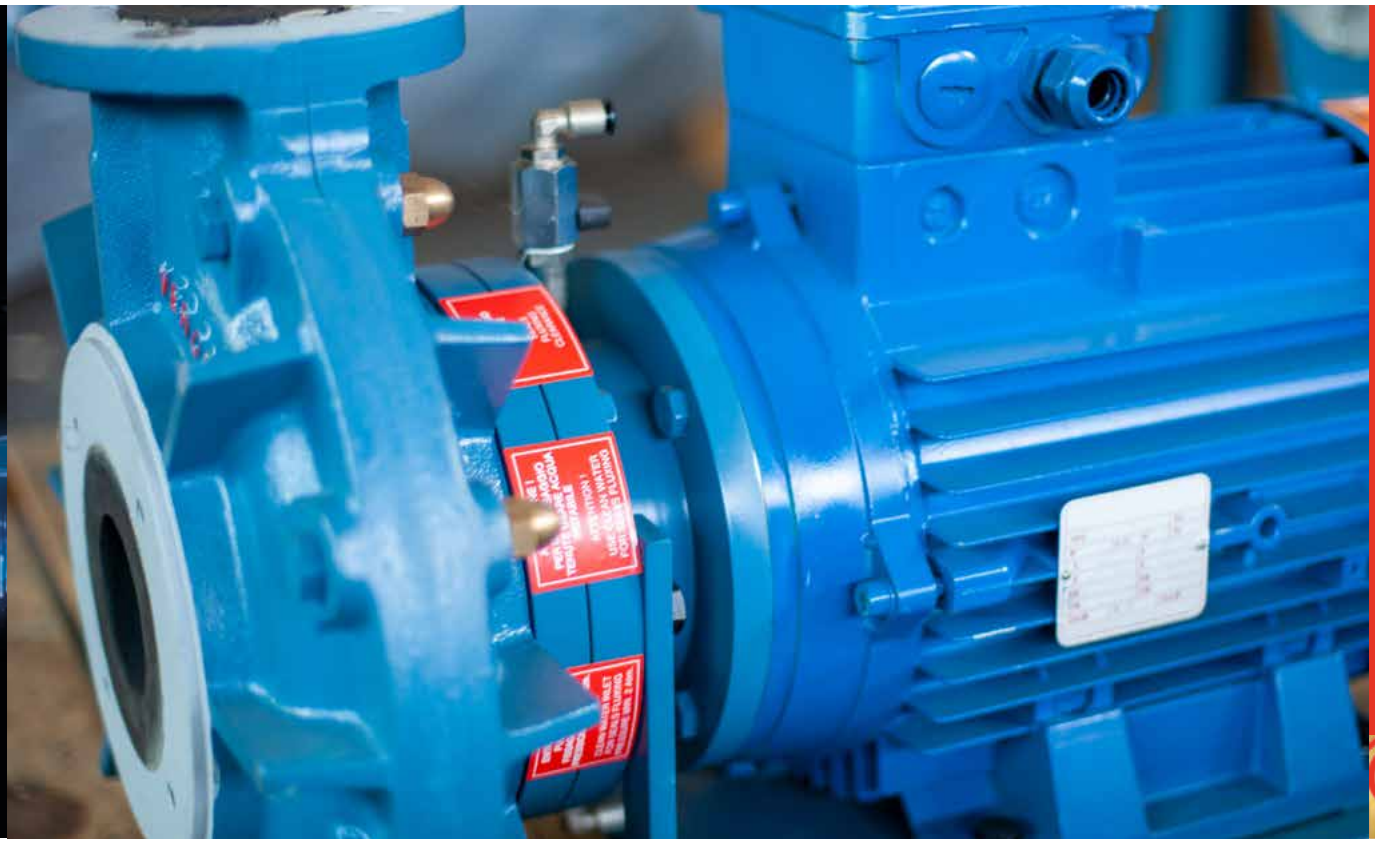
AXIS
Horizontal pump axis with sealed chamber bearings sized to allow the front of the shaft to work as a cantilever without supports immersed in the liquid.

BODY
The body is divided into two halves vulcanised on the inside with a special wear-resistant compound.
With axial suction port and upward-facing discharge port.
Open-type anti-clogging, consisting of a steel core coated with a special anti-abrasive compound.

IMPELLER
Open-type anti-clogging, consisting of a steel core coated with a special anti-abrasive compound.

SEALING GROUP
Consisting of a double mechanical seal drained with water.

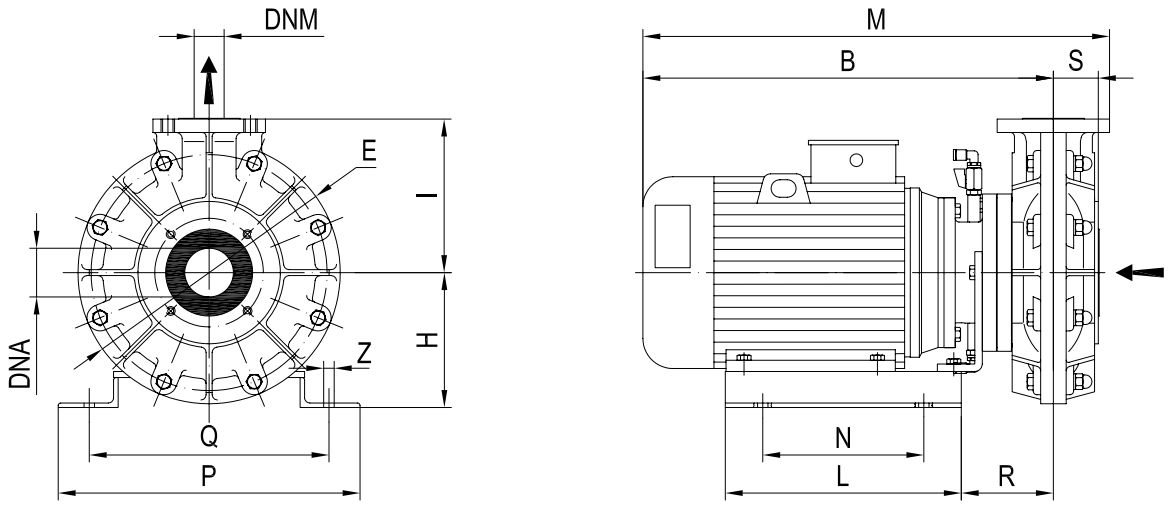
BASE
Steel base for fixing the pump to the floor



OVERALL DIMENSIONS

PUMP	OVERALL DIMENSIONS													
	DMA	DNM	A	B	C	D	E	F	M	N	P	Q	R	WEIGHT Kg
PSOM 15	65	40	623	584	60	123	310	230	180	205	320	403	14	118

Non-binding dimensions and weights.



SUBMERSIBLE PUMP

NAUTILUS

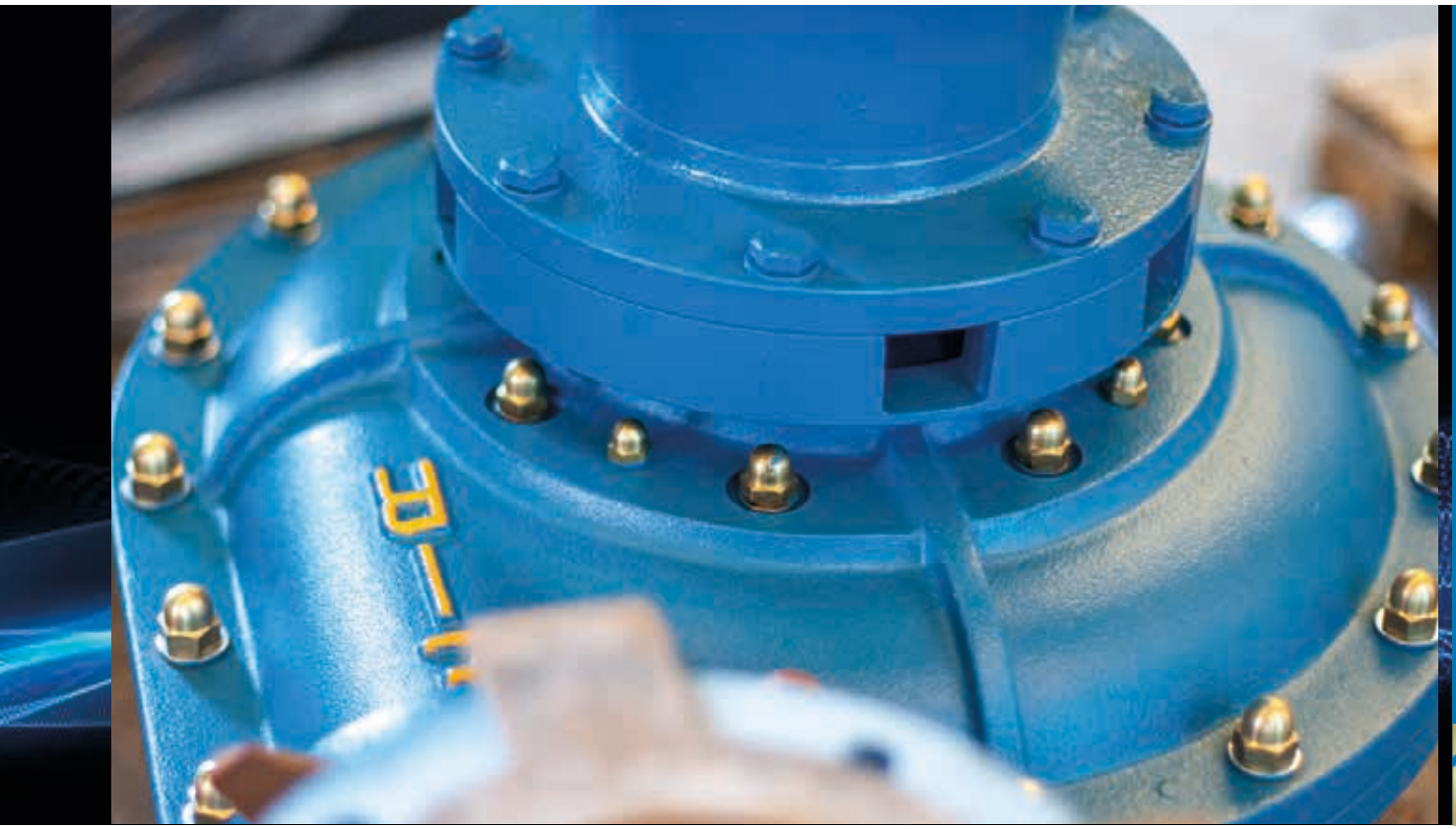
FIELDS OF APPLICATION:

This pump can be completely submerged in the liquid to be transferred; it can therefore be used in situations of limited space, very deep tanks and wells, etc. Alfa submersible pumps are also made of materials such as spheroidal cast iron or highly abrasion-resistant superalloys, depending on the industrial application. The bodies can be internally coated with abrasion-resistant rubber.
The range of flow rates of the submersible pumps goes from 100 l/min to about 4,000 l/min, with heads up to more than 30 mca.
They find application in situations with layouts where the well is very deep, or is under the floor of the laboratory, or when there is little space for installation and subsequent maintenance of other types of pumps.

OPERATING CHARACTERISTICS

PUMPS	CAPACITY															Speed	Motor	Piping	Impeller	Specific weight
	m³/h	6	9	12	18	24	30	45	60	75	90	105	120	135	150	RPM	kW	Ø mm	Ø mm	max Kg/dm³
	l/1'	100	150	200	300	400	500	750	1000	1250	1500	1750	2000	2250	2500					
NTL45	HEAD mt	11	10,5	10	8,5	7	-	-	-	-	-	-	-	-	-	1425	4	60	180	1,7
NTL75		-	-	-	17,5	17	16,5	15	13	11	-	-	-	-	-	1455	7,5	100	240	1,3
NTL75S		-	-	-	-	20,5	20	18,5	16,5	14,5	12	-	-	-	-	1450	11	100	265	1,3
NTL100/325		-	-	-	-	-	31	30	29	28	26	24	22	20	-	1450	22	100	325	1,3

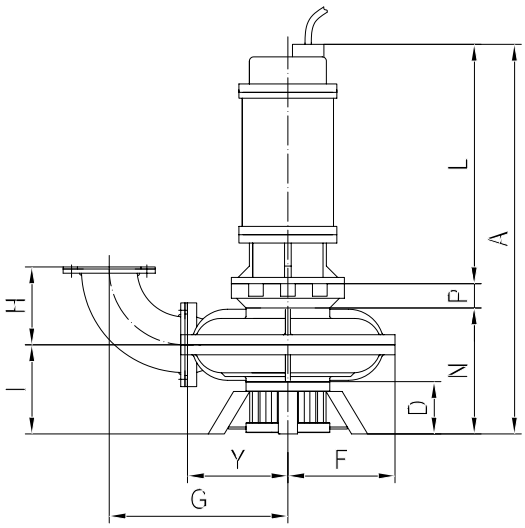
Data relates to rubber-lined pumps. Pumps with flow rates up to 4,000 l/min are available.

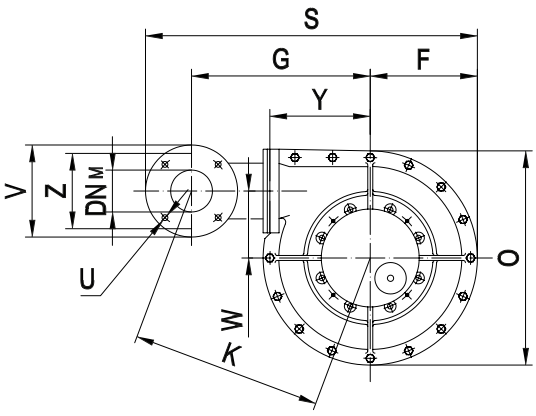


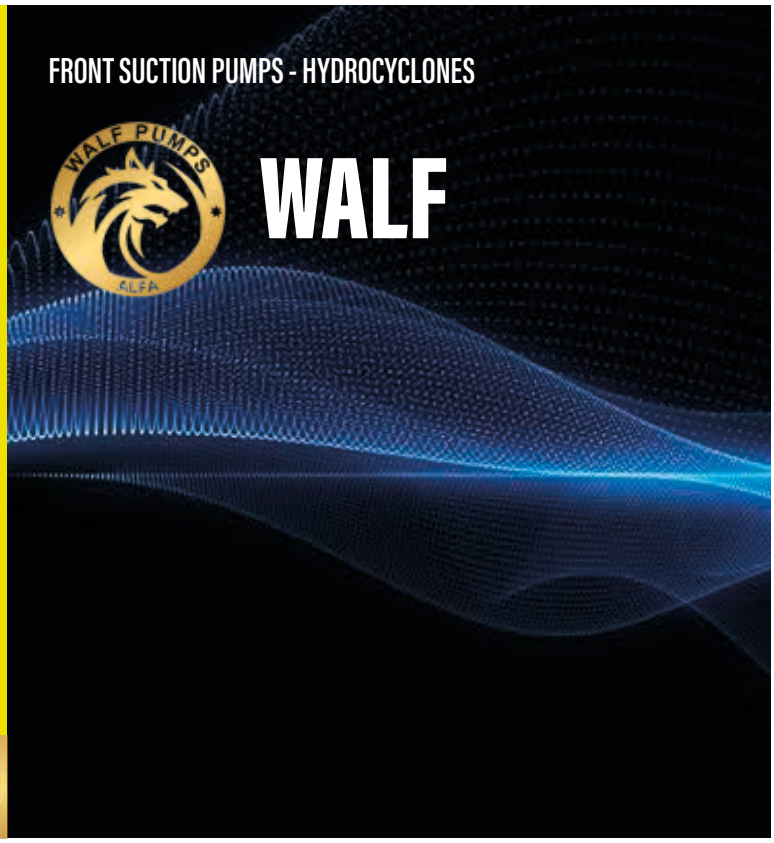
OVERALL DIMENSIONS

PUMPS	DIMENSION in mm																		
	A	D	F	G	H	I	K	L	N	O	P	S	U	V	W	Z	Y	DNM	weight Kg
NTL45	786	121	175	370	165	181	-	505	241	350	40	628	N° 4 FORI Ø 14	165	-	125	205	50	110
NTL75	859	121	256	427	187	208	456	505	296	512	58	793	N° 4 FORI Ø 14	220	160	180	240	100	193
NTL75S	954	121	256	427	187	208	456	600	296	512	58	793	N° 4 FORI Ø 14	220	160	180	240	100	223
NTL100/325	1363	200	360	507	187	311	565	822	496	720	45	977	N° 4 FORI Ø 14	220	250	180	320	100	418

Non-binding dimensions and weights





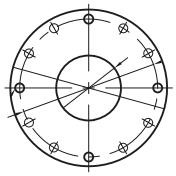


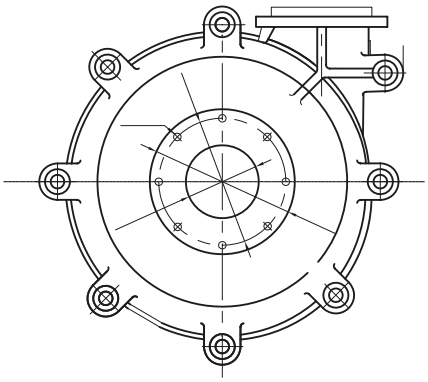
FIELDS OF APPLICATION:

Providing high flow rates and high heads, they are suitable for use in the industrial and service sectors. They are used to fill hydrocyclones in the inert materials treatment and washing sector and in all areas where there is a need to transfer abrasive and/or acidic liquids.
The bodies and impellers can be made of cast super alloys with high resistance to mechanical abrasion (up to hardnesses of around 800 HB), or be coated with special anti-abrasive rubber compounds.

TYPE	SxD	ALLOWABLE MATING MAX. POWER (KW)	MATERIAL (IMPELLER)	CLEAR WATER PERFORMANCE					IMPELLER	
				CAPACITY m3/h	HEAD (m)	SPEED (rpm)	Max eff. h%	NPSH (m)	N. OF VANES	VANE DIA. (mm)
1.5/1B - AH	1,5X1	15	AO5	10-30	5-85	1200-4400	52	3.2-8	5	152
2/1.5B - AH	2X1.5	15	AO5	20-60	6-60	1200-3200	45	3-8	5	184
3/2C - AH	3X2	30	AO5	40-138	10-85	1200-3170	64	3-12	5	214
4/3C - AH	4X3	30	AO5	50-250	8-80	1000-2750	68	3-10	5	245
4/3D - AH	4X3	60	AO5						5	245
6/4D - AH	6X4	60	AO5	100-400	10-78	800-1800	72	2-12	5	365
6/4E - AH	6X4	120	AO5						5	365
8/6E - AH	8X6	120	AO5	300-800	10-80	500-1300	72	2-10	5	510
8/6F - AH	8X6	260	AO5						5	510
10/8E - M	8X6	300	AO5						5	510
10/8F - AH	10X8	260	AO5	500-1500	10-85	400-1000	70	2-12	5	686
10/8ST - AH	10X8	560	AO5						5	
12/10ST - AH	12X10	560	AO5	500-200	8-82	300-900	80	2-8	5	762
14/12ST - AH	14X12	560	AO5	1000-2900	10-86	300-700	77	2-13	5	965
16/14TU - AH	16X14	1200	AO5	1000-3500	10-62	250-550	82	3-10	5	1067
with special anti-abrasive rubber										
1.5/1B - AHR	1,5X1	15	R55	10-25	8-46	1400-3200	50	3.6-7.5	3	152
2/1.5B - AHR	2X1.5	15	R55	20-50	5-42	1000-2600	50	2-5	5	180
3/2C - AHR	3X2	30	R55	30-78	6-46	900-2300	62	3-4	5	215
4/3C - AHR	4X3	30	R55	50-150	5-40	800-1950	68	2-8	5	245
4/3D - AHR	4X3	60	R55						5	245
6/4D - AHR	6X4	60	R55	100-320	10-42	800-1350	72	2-6	5	365
6/4E - AHR	6X4	120	R55						5	365
8/6E - AHR	8X6	120	R55	200-680	6-50	400-1000	70	2-10	5	510
8/6F - AHR	8X6	260	R55						5	510
10/8E - MR	8X6	300	R55						5	510
10/8F - AHR	10X8	260	R55	400-1050	10-50	400-750	76	2-12	5	686
10/8ST - AHR	10X8	560	R55						5	
12/10ST - AHR	12X10	560	R55	400-1050	8-44	300-650	81	2-8	5	762
14/12ST - AHR	14X12	560	R55	1000-2300	10-44	300-500	79	2-8	5	965
16/14TU - AHR	16X14	1200	R55	1000-2850	10-42	250-450	82	3-8	5	1067

Available in superalloy or rubberised.





CLEAR WATER PUMPING GROUP

HYDRA

CLEAR WATER PUMPING UNIT

FIELDS OF APPLICATION:

Alfa Pompe designs and manufactures pumping units for clear water that integrate perfectly into the purification and recycling of process water. MonoblocK horizontal axis pumps are used, with cast iron or bronze bodies and impellers, widia mechanical seals and stainless steel shafts.

OPERATING CHARACTERISTICS

PUMPS	PERFORMANCE						
	CAPACITY		PREVALENCE (m)	POWER (kW)	FREE PASS (mm)	FREQUENCY (Hz)	DISCHARGE DIAMETER
	(m^3/h)	(l/m)					
HYDRA 1000	60	1000	60	22	100	50	DN100
HYDRA 10000	600	10000	50	132	300	50	DN300
HYDRA 11000	720	12000	50	132	300	50	DN300
HYDRA 13000	780	13000	50	250	350	50	DN350

IMPELLERS

IMPELLERS FOR VERTICAL AND HORIZONTAL PUMPS

CURVES

INTERCHANGEABLE RUBBER BENDS AND SLEEVES

SHAFTS

AVERTICAL - HORIZONTAL PUMP SHAFTS

RUBBERISED BODIES AND SHELLS OF INTERNAL COATING

RUBBERISED PUMP BODIES | VERTICAL – HORIZONTAL

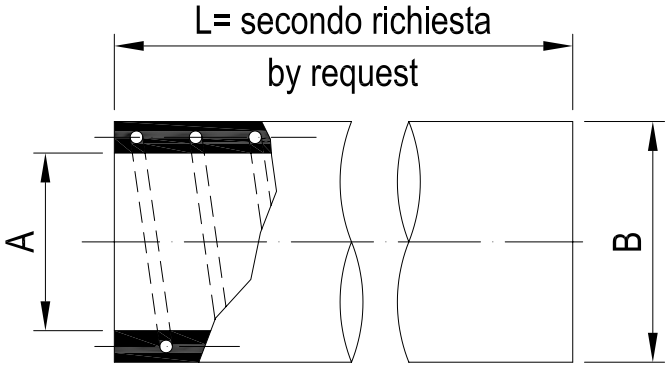
Cast iron body in two halves with shells moulded in an anti-abrasive compound on a metal core, replaceable and adjustable from the outside on our patented system.

PIPES - FLANGES

SPECIAL ANTI-ABRASION PIPES

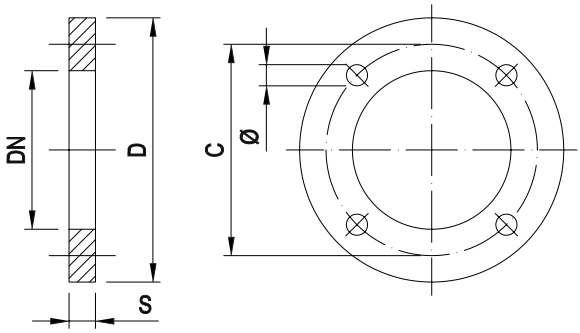
PIPES			
COD	A	B	WEIGHT Kg
TUG35	35	49	1,3
TUG60	60	70	1,8
TUG68	70	80	2,3
TUG99	101	111,5	3,5
TUG100	100	130	9,1
TUG125	127	155	10,5
TUG150	152	184	15
TUG180	180	205	12,2
TUG200	203	230	16,4
TUG250	254	285	22,7
TUG300	305	336	27,9

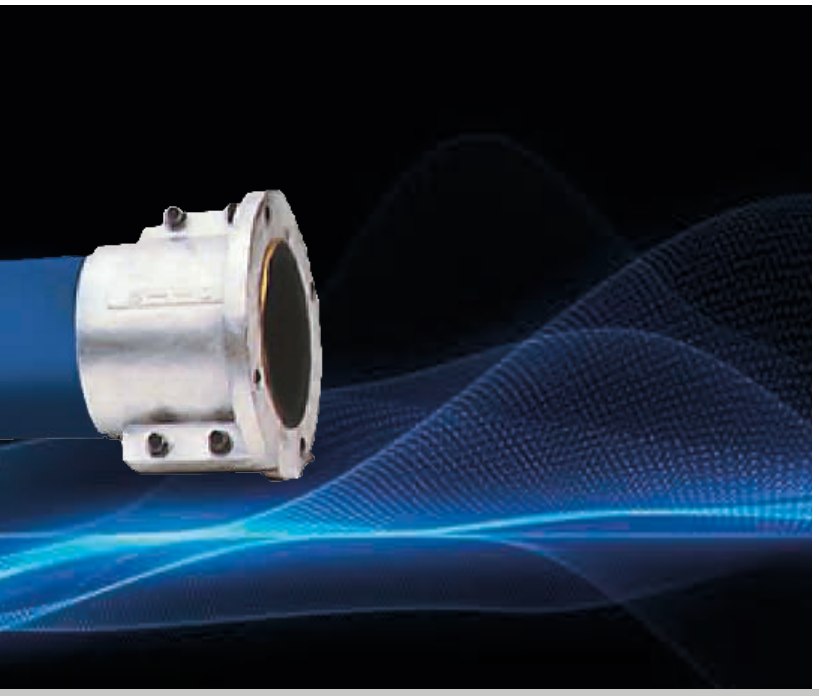
Dimensions in mm and approximate weights



STEEL FLANGES							
COD	DIMENSIONS						WEIGHT Kg
	DN	C	D	S	HOLES Diam.	HOLES n°	
FA25	25	85	115	10	14	4	0,6
FA50	50	125	165	10	14	4	1,5
FA70	70	160	200	10	14	4	2
FA100	100	180	220	10	14	4	2,2
FA125	125	210	250	10	16	4	2,5
FA150	150	240	285	10	16	4	3,3
FA170	170	270	315	10	16	8	3,8
FA200	200	295	340	10	16	8	4
FA250	250	350	395	20	20	12	14
FA300	300	400	445	20	22	2	17

Dimensions in mm and approximate weights

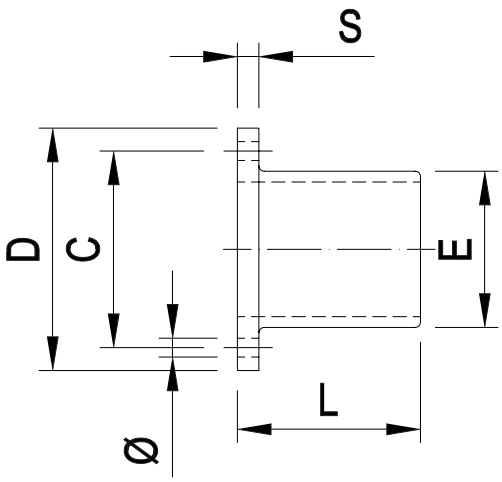




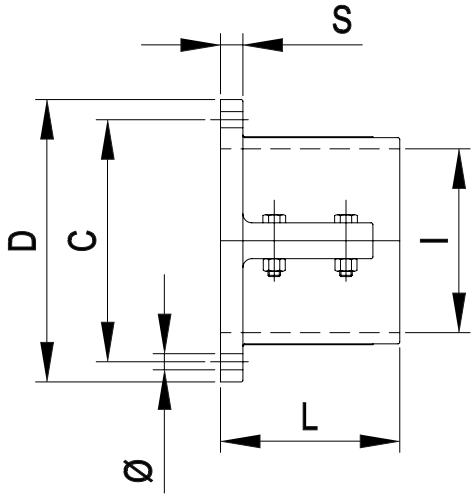
FLANGES FOR RUBBER PIPES										
COD	TYPE	C	D	E	I	L	S	HOLES		WEIGHT Kg
								Diam.	n°	
FB25	1	85	115	33	-	100	10	14	4	1
FB50	1	125	165	60	-	90	10	14	4	1,9
FB70	1	160	200	70	-	90	10	14	4	3
FB99	1	180	220	100	-	160	10	14	4	3,2
FT100	2	180	220	-	127	155	20	16	4	3,6
FT125	2	210	250	-	154	160	22	18	4	4,4
FT150	2	240	285	-	183	180	22	18	4	6
FT170	2	270	315	-	204	200	25	18	8	8,2
FT200	2	295	340	-	229	200	25	18	8	8,5
FT250	2	350	395	-	284	250	20	20	12	25
FT300	2	400	445	-	335	250	25	22	12	33

Dimensions in mm and approximate weights

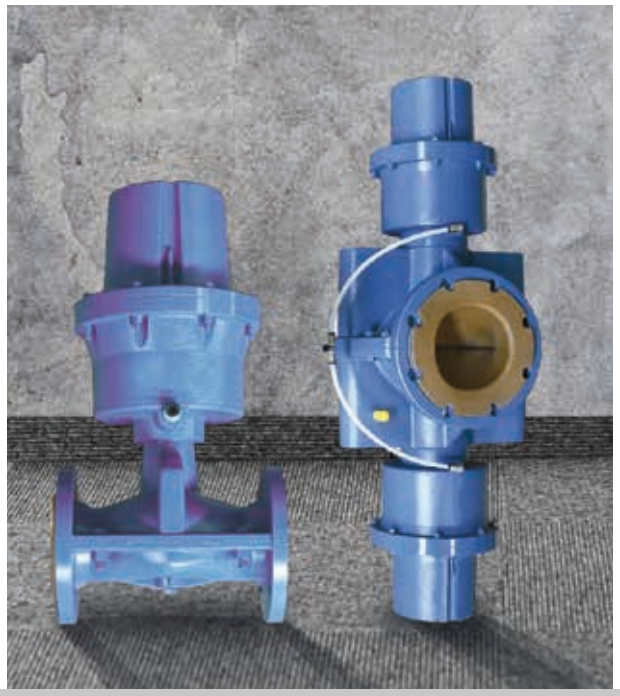
FLANGE TYPE **"1"** - (one-piece steel)



FLANGE TYPE **"2"** - (in two aluminium halves)



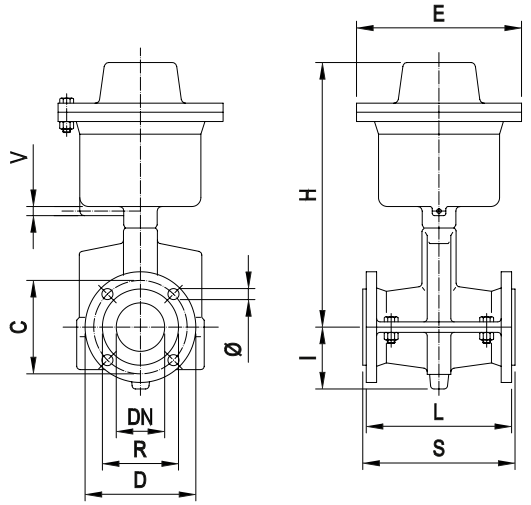
PNEUMATIC VALVES



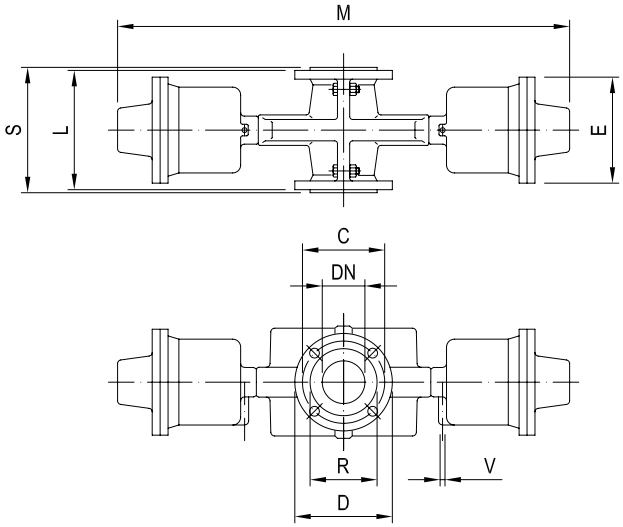
SLEEVE VALVES SERIES VPA-VPA2 - PNEUMATIC CONTROL

COD	TYPE	DIMENSION in mm												WEIGHT Kg
		DN	E	H	I	L	S	M	V	FLANGE				
										C	D	HOLES		
												diam.	n°	
VPA25	1C	25	150	265	40	160	170	-	1/4"G	85	115	14	4	5,2
VPA40	1C	40	200	365	75	200	210	-		110	150	18	4	11
VPA50	1C	50	200	380	83	230	240	-		125	165	18	4	12
VPA65	1C	65	200	400	93	290	305	-		145	185	18	4	16
VPA80	1C	80	285	560	180	310	330	-		160	200	18	4	32
VPA280	2C	80	165	-	-	250	270	675		160	200	18	4	28
VPA2100	2C	100	200	-	-	300	320	700		180	220	18	8	30
VPA2125	2C	125	245	-	-	300	320	870		210	250	18	8	47
VPA2150	2C	150	245	-	-	300	337	900		240	285	22	8	55
VPA2200	2C	200	285	-	-	340	380	1030		295	285	22	8	72

VALVE 1-CYLINDER VALVE (TYPE 1C) **"VPA"**



VALVE 2 -CYLINDER VALVE (TYPE 2C) **"VPA2"**

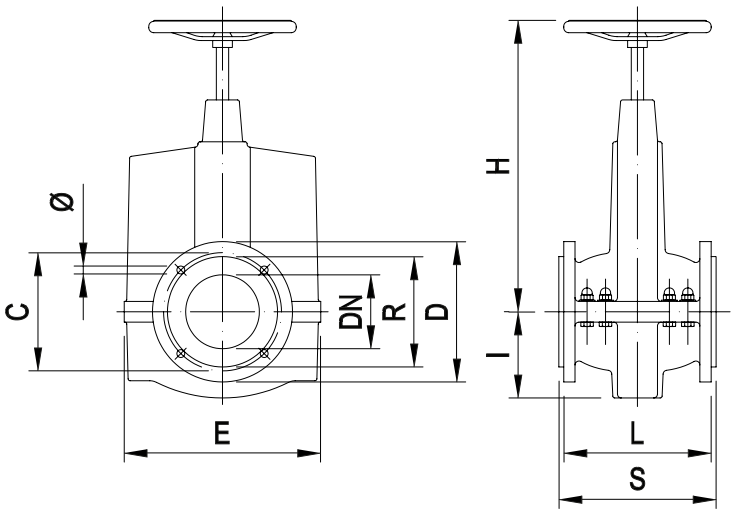


MANUAL VALVES

VALVES WITH NON-ABRASIVE RUBBER SLEEVES | MANUAL CONTROL

COD	TYPE	DIMENSION in mm											WEIGHT Kg
		DN	E	H	I	L	R	S	FLANGE				
									C	D	HOLES		
											diam.	n°	
V25	B	25	115	147	58	105	60	115	85	115	14	4	2
V40*	A	40	165	245	105	155	100	172	125	165	14	4	5
V50	A	50	175	261	118	160	110	172	125	165	14	4	5
V70	A	70	204	364	156	190	150	202	160	200	14	4	8
V100	A	100	270	441	200	246	170	269	180	220	14	4	12
V125	B	125	346	410	135	285	190	315	210	250	16	4	27
V150	B	150	400	585	170	300	240	337	240	285	16	4	36
V175	B	175	400	680	180	350	280	385	270	315	16	8	37
V200	B	200	470	750	205	340	300	383	295	340	16	8	49
V250	B	250	625	899	256	500	367	530	350	395	22	12	98

Dimensions in mm and approximate weights.



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GOOGLE MAPS

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