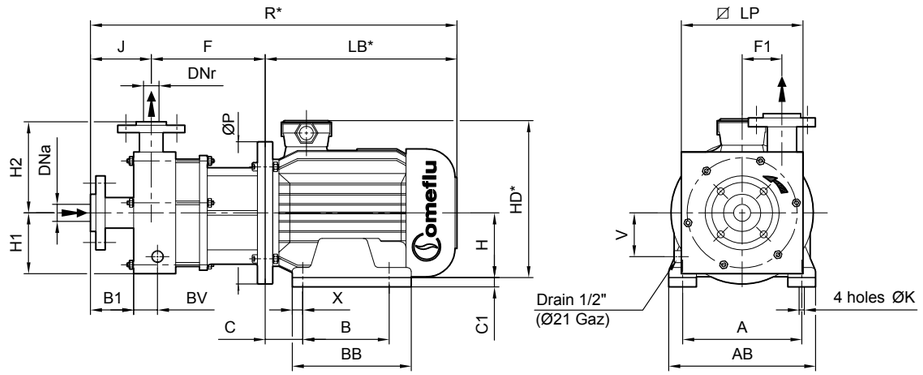
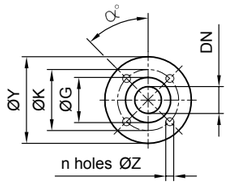


Type	DNa	DNr	Motor P (kW) 2900	Motor P (kW) 1450	Size	Motor dimensions A	AB	B	BB	C	X	LB*	H	HD*	ØK	C1	P m*	Pump dimensions J	F	H1	H2	B1	F1	LP	ØP	V	BV	R*	Pump weight PP	PVDF
32/125	50	32	3	2,2 / 3	100L	160	196	140	165	63	12	290	100	238	12	60	20	105	205	115	175	60	77	230	250	77	55	600	45	58
			4		112M	190	220	"	"	70	"	"	112	250	"	48	25	"	"	"	"	"	"	"	"	"	"	"	49	62
			5,5 / 7,5		132S	216	250	"	170	89	16	356	132	279	"	28	35	"	225	"	"	"	"	"	300	"	"	686	62	74
32/160	50	32	3	2,2 / 3	100L	160	196	140	165	63	12	290	100	238	12	60	20	105	205	135	195	60	81	270	250	85	55	600	47	61
			4		112M	190	220	"	"	70	"	"	112	250	"	48	25	"	"	"	"	"	"	"	"	"	"	"	51	65
			5,5 / 7,5		132S	216	250	"	170	89	16	356	132	279	"	28	35	"	225	"	"	"	"	"	300	"	"	686	64	77
50/160	80	50	3	2,2 / 3	100L	160	196	140	165	63	12	290	100	238	12	60	20	115	205	135	195	70	81	270	250	90	55	610	51	67
			4	4	112M	190	220	"	"	70	"	"	112	250	"	48	25	"	"	"	"	"	"	"	"	"	"	"	55	71
			5,5 / 7,5		132S	216	250	"	170	89	16	356	132	279	"	28	35	"	225	"	"	"	"	"	300	"	"	696	68	83
			9 / 11		132M	"	"	178	208	"	"	385	"	309	"	"	54	"	"	"	"	"	"	"	"	"	"	725	86	101
			15		160MP	254	294	210	294	108	20	468	160	374	14	20	72	"	255	"	"	"	"	"	350	"	"	838	103	119
65/160	100	65		2,2 / 3	100L	160	196	140	165	63	12	290	100	238	12	100	20	155	215	185	255	100	125	370	250	125	73	660	48	62
				4	112M	190	220	"	"	70	"	"	112	250	"	88	25	"	"	"	"	"	"	"	"	"	"	"	52	66
			5,5 / 7,5	5,5	132S	216	250	"	170	89	16	356	132	279	"	68	35	"	235	"	"	"	"	"	300	"	"	746	65	79
			9 / 11	7,5	132M	"	"	178	208	"	"	385	"	309	"	"	54	"	"	"	"	"	"	"	"	"	"	775	83	97
			15		160MP	254	294	210	294	108	20	468	160	374	14	40	72	"	265	"	"	"	"	"	350	"	"	888	100	114
32/200	50	32	3	2,2 / 3	100L	160	196	140	165	63	12	290	100	238	12	60	20	105	205	150	210	60	102	300	250	105	55	600	67	91
			4		112M	190	220	"	"	70	"	"	112	250	"	48	25	"	"	"	"	"	"	"	"	"	"	"	71	95
			5,5 / 7,5		132S	216	250	"	170	89	16	356	132	279	"	28	35	"	225	"	"	"	"	"	300	"	"	686	84	107
			9 / 11		132M	"	"	178	208	"	"	385	"	309	"	"	54	"	"	"	"	"	"	"	"	"	"	715	102	125
			15		160MP	254	294	210	294	108	20	468	160	374	14	20	72	"	255	"	"	"	"	"	350	"	"	828	119	143
50/200	80	50	3	2,2 / 3	100L	160	196	140	165	63	12	290	100	238	12	60	20	115	205	150	210	70	102	300	250	105	55	610	52	68
			4	4	112M	190	220	"	"	70	"	"	112	250	"	48	25	"	"	"	"	"	"	"	"	"	"	"	56	72
			5,5 / 7,5	5,5	132S	216	250	"	170	89	16	356	132	279	"	28	35	"	225	"	"	"	"	"	300	"	"	696	69	85
			9 / 11		132M	"	"	178	208	"	"	385	"	309	"	"	54	"	"	"	"	"	"	"	"	"	"	725	87	103
			15		160MP	254	294	210	294	108	20	468	160	374	14	20	72	"	255	"	"	"	"	"	350	"	"	838	104	120
			18,5		160L	"	"	254	"	"	"	495	"	395	"	"	88	"	"	"	"	"	"	"	"	"	"	865	118	134
80/200	125	80		2,2 / 3	100L	160	196	140	165	63	12	290	100	238	12	100	20	155	215	185	255	97	115	370	250	135	73	660	67	91
				4	112M	190	220	"	"	70	"	"	112	250	"	88	25	"	"	"	"	"	"	"	"	"	"	"	71	95
				5,5	132S	216	250	"	170	89	16	356	132	279	"	68	35	"	235	"	"	"	"	"	300	"	"	746	84	107
				7,5 / 9 / 11	132M	"	"	178	208	"	"	385	"	309	"	"	54	"	"	"	"	"	"	"	"	"	"	775	102	125
				15	160LR	254	294	254	294	108	20	495	160	374	14	40	86	"	265	"	"	"	"	"	350	"	"	915	133	157
100/200	125	100		2,2 / 3	100L	160	196	140	165	63	12	290	100	238	12	142,5	20	166	225	242,5	340	97	165	485	250	180	90	681	81	112
				4	112M	190	220	"	"	70	"	"	112	250	"	130,5	25	"	"	"	"	"	"	"	"	"	"	"	85	116
				5,5	132S	216	250	"	170	89	16	356	132	279	"	110,5	35	"	245	"	"	"	"	"	300	"	"	767	98	128
				7,5 / 9 / 11	132M	"	"	178	208	"	"	385	"	309	"	"	54	"	"	"	"	"	"	"	"	"	"	796	116	146
				15	160LR	254	294	254	294	108	20	495	160	374	14	82,5	86	"	275	"	"	"	"	"	350	"	"	936	147	178
125/250	150	125		7,5 / 9 / 11	132M	216	250	178	208	89	16	385	132	309	12	118	54	140	247	250	355	55	0	550	300	190	0	772	130	167
				15	160LR	254	294	254	294	108	20	495	160	374	14	90	86	"	277	"	"	"	"	"	350	"	"	912	161	199
				18,5	180MT	279	324	241	316	121	"	495	180	415	"	70	100	"	"	"	"	"	"	"	"	"	"	"	177	215

LB* and HD*: depends on motor manufacturer P m*: weight in kg

Connect pipes to the pump without restrain.

Flanges ISO PN16						
DN	ØY	ØK	ØG	n	ØZ	α°
32	140	100	60	4	18	45°
50	165	125	90	"	"	"
65	185	145	106	"	"	45°
80	200	160	125	8	18	22°30'
100	220	180	150	"	"	"
125	250	210	188	"	"	"
150	285	240	210	"	"	"



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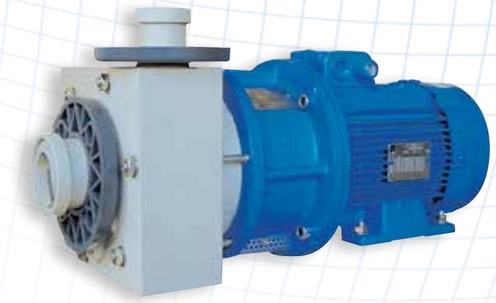
THERMOPLASTIC CLOSE COUPLED PUMP
ECO
with mechanical seal

sOmeflu
Corrosion Resistant Centrifugal Pumps



OVERVIEW

The centrifugal pumps of the ECO range are designed for pumping corrosive fluids. They are equipped with mechanical seal specially designed for the highest industrial and technological requirements.

ADVANTAGES

- ISO 9906 tested with test report
- Flanges: ISO PN 16 or ANSI B16.5
- Designed to resist to the most corrosive atmospheres
- Simple but robust design for the easiest maintenance
- 10 years old pumps still running

APPLICATIONS

- Odor control / Gas scrubber
- Waste water treatment
- Sea water for aquariums
- Highly concentrated acids

RAW MATERIALS

All wetted parts are machined from solid blocks of plastic for the ultimate in robust construction. No metallic component is in contact with the pumped fluid.

WETTED PARTS	O-RINGS	SEALS
PP / PP-EL	EPDM	SiC / SiC
PVC	FKM	SiC / C
PVDF / PVDF-EL		

ATEX STANDARDS

The ECO range is available for ATEX explosion-proof atmospheres:

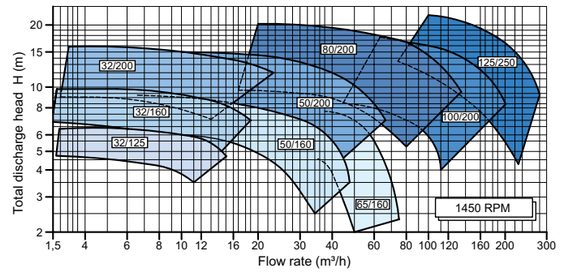
- Plastics mixed with carbon to conduct static electricity, like PP-EL (polypropylene electro-conductive)
- Ex II 2/3 G/GD c IIB/IIC T4 (others upon request)
- Voluntary certification INERIS (Public French Certification Organization)

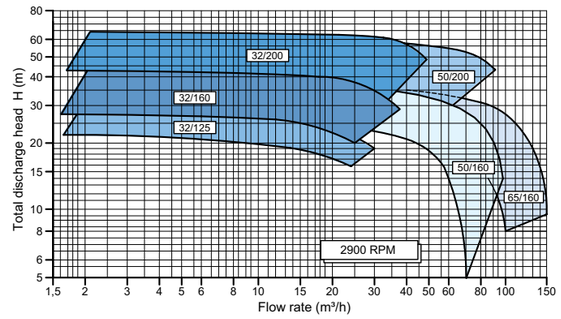
PERFORMANCES

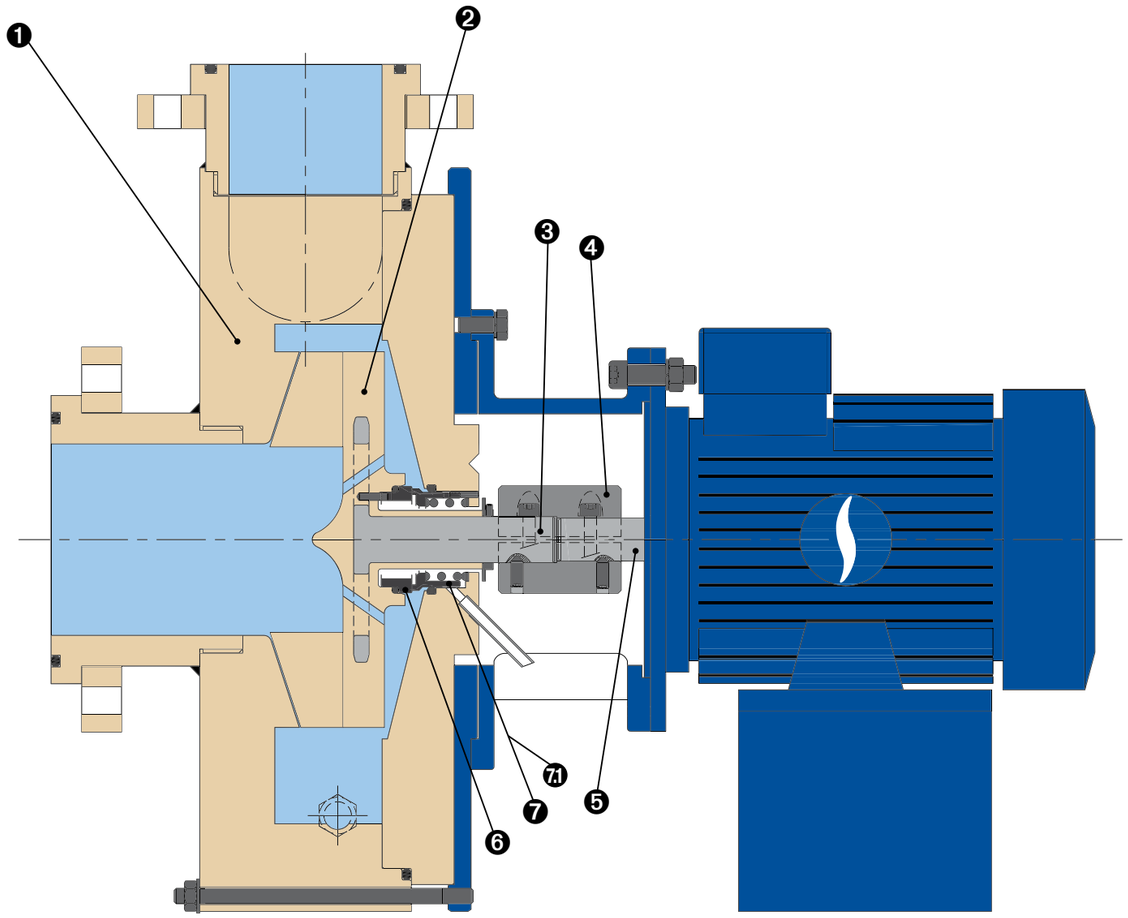
Available in 50Hz or 60Hz:

- Flow rates up to 350 m³/h (1550 GPM) at 50Hz
- Total differential head up to 70 mlc (230 ft) at 50Hz
- Temperature range from -20°C to 90°C (0°F to 200°F)

DIAGRAMS







❶ Thermoplastic raw material:
- All wetted parts are machined from solid blocks of plastic for the ultimate in robust construction, with a casing thickness up to 70 mm
- No metallic component is in contact with the pumped fluid

❷ Impeller wetted part moulded over a steel insert, by our own moulding department:
- Mechanical resistance of the metal
- Corrosion resistance of the thermoplastic

❸ The impeller is maintained by the pump rear:
- No leakage at the pump nose
- Impossible to unscrew the impeller, in case of reverse running

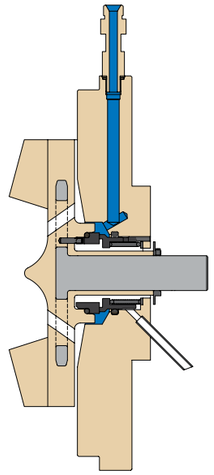
❹ Coupling made in 2 parts:
- Very easy dismantling even in corrosive atmosphere

❺ No aligment necessary:
- Directly coupled to the standard motor shaft

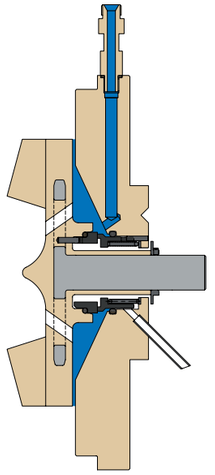
❻ Spare parts reduction:
- Identical mechanical seal for the whole ECO range

❼ Standard seal:
- No adjustment
- Easy dismantling and reassembly

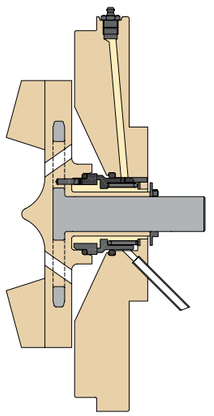
❼₁ Different mechanical seal option:
- Flushing
- Standstill flushing
- Grease filling
- Outside flushing



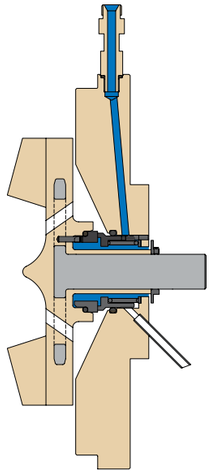
FLUSHING
In case of particles and so abrasion, clean water is flushed to the seal friction faces. The impeller is specially designed to minimize the flushing of clean water inside the process fluid. The mechanical seal is lubricated with only one water inlet.



STANDSTILL FLUSHING
In case of crystallization or solids deposit, the mechanical seal is flushed with clean water every time the pump is stopped, to protect the seal friction faces (maximum pressure 3 bar for some minutes).



GREASE FILLING
In case of crystallization and if water can't be flushed inside the cartridge, this one can be filled up with grease. An input of lubricant (40 g) every 4000 hours is sufficient to maintain the efficiency of the grease filling. We can also install an automatic greaser.



OUTSIDE FLUSHING
In case of crystallization and if the pump is running 24/7, the mechanical seal is flushed from outside with clean water to remove all the crystal (once a week 0.2 bar for 10 minutes).