

fluimac[®]
pump solution



HELIOS
PERISTALTIC PUMPS

Made in
Italy

www.fluimac.com

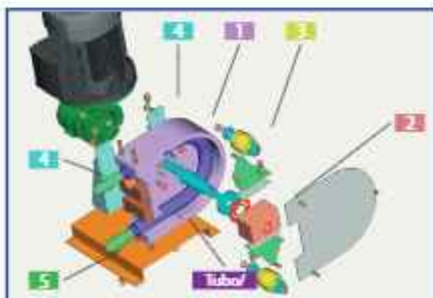


HELIOS AS

Peristaltic dosing pumps - Low Pressure

Capacity up to about 2800 l/h - delivery head up to 4 bar

Viscosity up to 15000 cps - Achievable suction up to 6 mts



Element	Material
1 Pump casing	aluminium alloy
2 Rotor	aluminium alloy
3 Rollers	PVC
As 25	aluminium alloy
4 Base	Iron
5 Hose Connector	AISI 304

Special couplings:

Hose Connector in AISI 316, PVD, PTFE

DIN

TRI-CLAMPS

ANSI, ISO, UNI, FLANGES

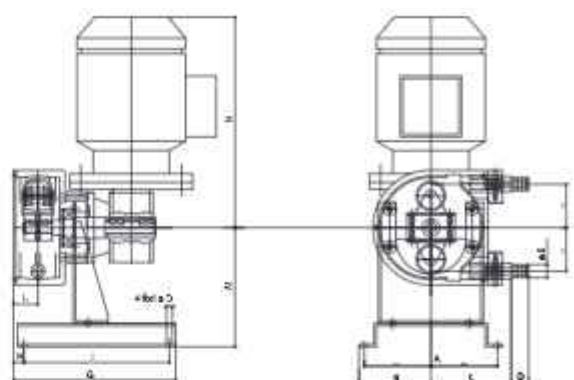
TECHNICAL FEATURES

- Accurate and repeatable dosing and metering
- Long life and greater reliability
- Self-priming
- Continuous dry running
- Lowest cost of ownership
- Quick and easy maintenance

AVAILABLE HOSES MATERIALS

- Hypalon
- NR
- NBR
- Norprene Ⓞ
- Silicone
- EPDM
- Pharmed Ⓞ
- Tygon





OVERALL DIMENSIONS

TYPE	A	B	C	D	E	F	G	H	I	L	M	N	øD	Kg.
AS 10 FX	172	92	92	20	16	104	185	12	166	28	137	245	7	9
AS 15 FX	172	92	110	20	20	127	183	12	166	30	137	245	7	10
AS 20 FX	210	112	142	35	25	175	248	18	220	40	184	260	7	18
AS 25 FX	250	146	210	45	32	254	386	81	290	52	228	370	11	40

TECHNICAL CHARACTERISTICS

TYPE	Q (L/H)	A	P	RPM	I	KW	di	Qu	Nm
AS 10 FX	23	4	16	23	60	0,18	9	0,017	6
	35	4	16	35	40	0,18			
	47	4	16	47	30	0,18			
	70	4	16	70	20	0,18			
	93	4	16	93	15	0,18			
AS 15 FX	66	4	16	23	60	0,18	13	0,041	12
	86	4	16	35	40	0,18			
	116	4	16	47	30	0,18			
	172	4	16	70	20	0,18			
	228	4	16	93	15	0,18			
AS 20 FX	149	6	* 16 - 40	23	60	0,18	17	0,108	20
	227	6	* 16 - 40	35	40	0,18			
	306	6	* 16 - 30	47	30	0,18			
	453	6	* 16 - 30	70	20	0,18			
	602	6	* 10 - 20	93	15	0,18			
AS 25 FX	538	6	* 20 - 40	28	60	0,37	26	0,320	30
	672	6	* 20 - 40	35	40	0,37			
	902	6	* 20 - 30	47	30	0,37			
	1344	6	* 20 - 30	70	20	0,76			
	1786	6	* 16 - 25	93	15	0,76			

MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. 1400 IP55

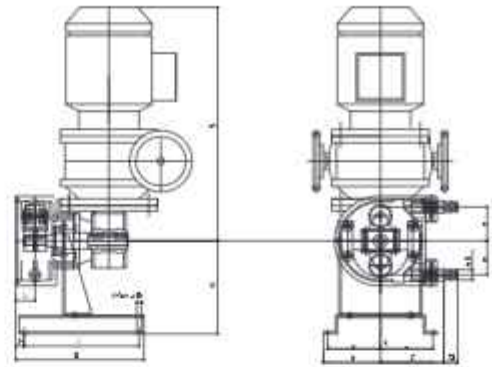
*= according to hose compound

A = suction pressure in m
 P = discharge pressure in m
 I = ratio

di = inn. diam. pump hose mm
 Qu = litres for revolution
 Nm = min. start. torque



AVAILABLE IN ATEX CERTIFICATION:
 EX I M2 E II 2G E NB, TX



OVERALL DIMENSIONS

TYPE	A	B	C	D	E	F	G	H	I	L	M	N	øO	Kg.
AS 10 VX	172	92	92	20	16	104	185	12	166	28	137	328	7	12
AS 15 VX	172	92	110	20	20	127	183	12	166	30	137	328	7	13
AS 20 VX	210	112	142	35	26	176	248	18	220	40	184	343	7	22
AS 25 VX	250	146	210	45	32	254	386	81	290	52	228	476	11	46

TECHNICAL CHARACTERISTICS

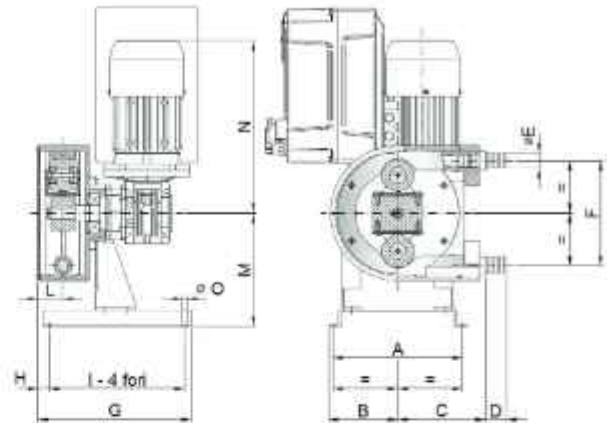
TYPE	Q (L/M)	A	P	RPM	I	KW	di	Qu	Nm
AS 10 VX	3,2 - 16	4	16	3,2 - 16	60	0,22	9	0,017	6
	4,7 - 22,6	4	16	4,7 - 22,6	40	0,22			
	6,3 - 30	4	16	6,3 - 30	30	0,22			
	9,6 - 46	4	16	9,6 - 46	20	0,22			
	19 - 90	4	16	19 - 90	10	0,22			
AS 15 VX	7,8 - 37	4	16	3,2 - 16	60	0,22	13	0,041	12
	11,8 - 56	4	16	4,7 - 22,6	40	0,22			
	16,6 - 73,6	4	16	6,3 - 30	30	0,22			
	23,4 - 110	4	16	9,6 - 46	20	0,22			
	47 - 221	4	16	19 - 90	10	0,22			
AS 20 VX	21 - 97	6	* 16 - 40	3,2 - 16	60	0,22	17	0,108	20
	30 - 146	6	* 16 - 40	4,7 - 22,6	40	0,22			
	41 - 194	6	* 16 - 40	6,3 - 30	30	0,22			
	62 - 291	6	* 16 - 40	9,6 - 46	20	0,22			
	82 - 388	6	* 16 - 40	12,7 - 60	16	0,22			
AS 25 VX	73 - 366	6	* 20 - 40	3,8 - 19	60	0,37	26	0,320	30
	90 - 456	6	* 20 - 40	4,7 - 23,7	40	0,37			
	121 - 608	6	* 20 - 35	6,3 - 31,7	30	0,37			
	182 - 912	6	* 16 - 30	9,6 - 47,6	20	0,37			
	243 - 1280	6	* 16 - 25	12,7 - 66,7	16	0,76			

MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. 1400 IP55

* = according to hose compound

A = suction pressure in m
P = discharge pressure in m
I = ratio

di = inn. diam. pump hose mm
Qu = litres for revolution
Nm = min. start. torque



OVERALL DIMENSIONS

TYPE	A	B	C	D	E	F	G	H	I	L	M	N	øO	Kg.
AS 10 IX	172	92	92	20	15	104	185	12	166	28	197	245	7	9
AS 15 IX	172	92	110	20	20	127	183	12	166	30	137	245	7	10
AS 20 IX	210	112	142	35	25	175	248	18	220	40	184	260	7	18
AS 25 IX	250	146	210	45	32	254	386	81	290	52	228	370	11	40

TECHNICAL CHARACTERISTICS

TYPE	Q (L/H)	A	P	RPM	I	KW	di	Qu	Nm
AS 10 IX	1,5 - 47	4	15	1,5 - 47	60	0,18	ø	0,017	6
	3 - 93	4	15	3 - 93	30	0,18			
	6 - 185	4	10	6 - 185	15	0,18			
AS 15 IX	3,7 - 115	4	15	1,5 - 47	60	0,18	19	0,041	12
	7 - 172	4	15	2,8 - 70	40	0,18			
	15 - 345	4	15	6 - 140	30	0,18			
AS 20 IX	10 - 304	5	* 15 - 40	1,5 - 47	60	0,18	17	0,108	20
	18 - 463	5	* 15 - 40	2,8 - 70	40	0,18			
	20 - 602	5	* 15 - 30	3 - 93	30	0,18			
AS 25 IX	29 - 902	6	* 20 - 40	1,5 - 47	60	0,37	25	0,320	30
	54 - 1344	6	* 20 - 40	2,8 - 70	40	0,65			
	58 - 1785	6	* 15 - 25	3 - 93	30	0,75			

MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. 1400 IP55

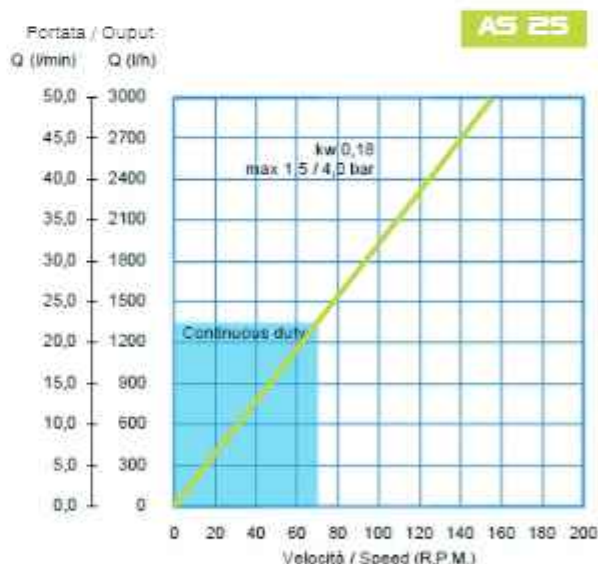
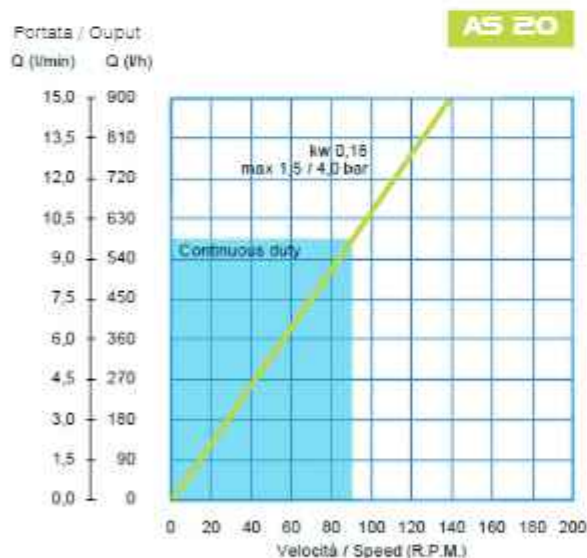
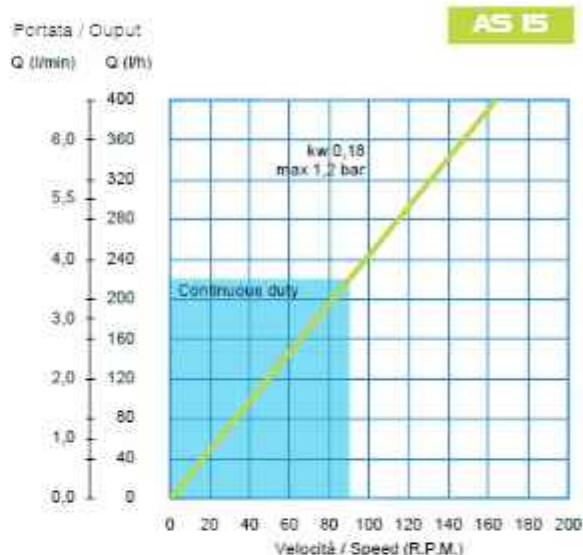
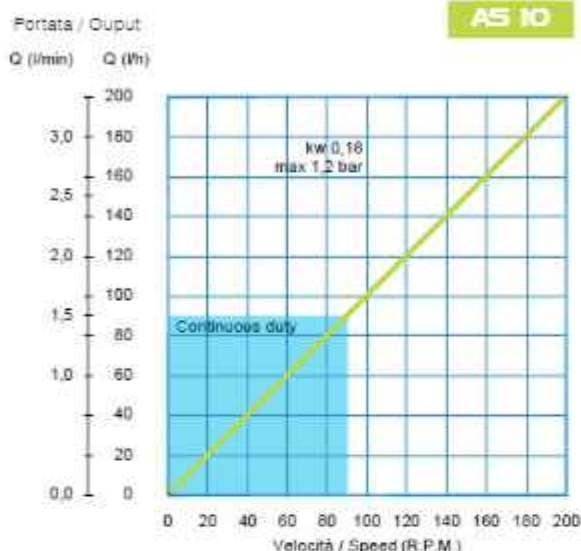
* = according to hose compound

4-20mA SIGNAL ON DEMAND

A = suction pressure in m
 P = discharge pressure in m
 I = ratio

di = inn. diam. pump hose mm
 Qu = litres for revolution
 Nm = min. start. torque

PERFORMANCE CURVES



SPECIAL VERSION



DOUBLE HEAD



PUMP HEAD

HOW TO USE THE CURVES

- Flow required indicates pump speed
- Calculated discharge pressure
- Net motor power required
- Fluid temperature
- Calculated discharge pressure
- Maximum recommended pump speed

The operating data here described refer to water or similar peculiarity fluid

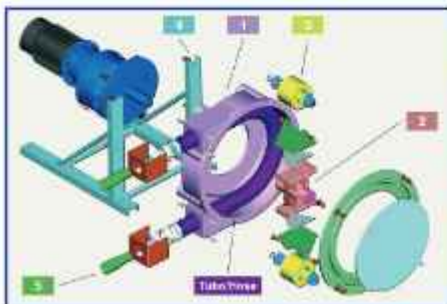


HELIOS ASP

Peristaltic pumps

Capacity up to about 25000 l/h - delivery head up to 10 bar

Viscosity up to 60000 cps - Achievable suction up to 8 mts



Element

- 1** Pump casing
- 2** Rotor
- 3** Rollers
- 4** Base
- 5** Hose Connector

Material

aluminium alloy
 aluminium alloy
 aluminium nylatron
 Iron
 AISI 304

Special couplings:

Hose Connector in AISI 316, PVO, PTFE
 DIN
 TRI-CLAMPS
 ANSI, ISO, UNI, FLANGES

TECHNICAL FEATURES

- No mechanical seal or stuffing box
- Robust
- Suitable for aggressive or viscous fluids
- Damage-free continuous dry running
- Outlet pressures up to 10 bar
- Very easy maintenance

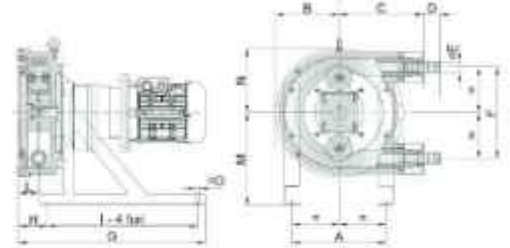
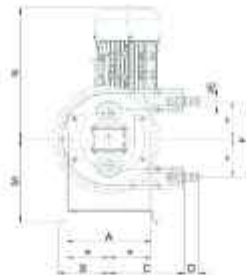
AVAILABLE HOSES MATERIALS

- NR
- NBR
- EPDM
- NBR Food
- NR Food





ASP 10/15



ASP 25/15 - 25 - 32 - 40 - 50 - 65

OVERALL DIMENSIONS

TYPE	A	B	C	D	E	F	G	H	I	L	M	N	ØO	Kg.
ASP 10 FX	210	112	166	25	15	167	251	21	220	40	184	260	7	16
ASP 15 FX	210	112	166	30	20	167	251	21	220	40	184	260	7	16
ASP 25/15 FX	250	170	224	25	20	240	495	75	400	52	228	70	11	44
ASP 25 FX	250	170	224	25	32	240	495	75	400	52	228	170	11	44
ASP 32 FX	330	217	230	66	40	314	655	114	520	68	300	217	11	80
ASP 40 FX	420	270	340	70	50	398	735	130	580	74	370	270	14	120
ASP 50 FX	420	330	380	80	65	512	833	156	650	88	440	330	14	160
ASP 65 FX	566	440	510	91	80	672	1107	142	930	106	570	440	17	430

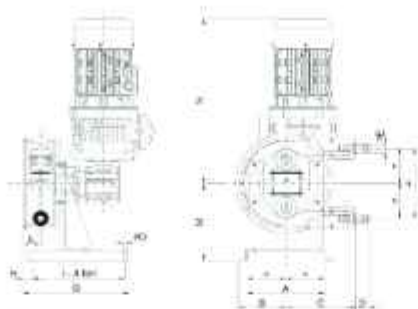
TECHNICAL CHARACTERISTICS

TYPE	Q (L/H)	A	P	RPM	I	KW	di	Qu	Nm
ASP 10 FX	47	8	100	23	60	0,18	10	0,034	36
	72	8	80	35	40	0,18			
	96	8	80	47	30	0,37			
	143	8	80	70	20	0,37			
ASP 15 FX	102	8	100	23	60	0,18	15	0,074	36
	165	8	80	35	40	0,18			
	209	8	80	47	30	0,37			
	310	8	80	70	20	0,37			
ASP 25/15 FX	276	8	80	35	40	0,66	16	0,131	40
	354	8	80	45	31,6	0,76			
	440	8	70	66	25	0,76			
	550	8	60	70	20	0,76			
ASP 25 FX	672	8	80	35	40	0,66	25	0,32	40
	864	8	80	46	31,6	0,76			
	1076	8	70	66	25	0,76			
	1344	8	60	70	20	0,76			
ASP 32 FX	1696	8	100	38	37	1,1	32	0,70	76
	1974	8	80	47	30	1,1			
	2436	8	60	68	24	1,1			
	2940	8	40	70	20	1,1			
ASP 40 FX	2040	8	100	25	66	1,6	40	1,36	110
	2938	8	80	36	39	1,6			
	3872	8	60	45	31,6	1,6			
	5712	8	40	70	20	1,6			
ASP 50 FX	4186	8	100	25	66	2,2	50	2,79	200
	6026	8	60	36	39	2,2			
	7633	8	60	46	31,6	3			
	11718	8	40	70	20	3			
ASP 65 FX	8580	8	80	22	63	4	65	6,50	400
	13660	8	60	35	40	6,6			
	1550	8	60	45	31,6	7,5			
	21840	8	50	68	25	7,6			

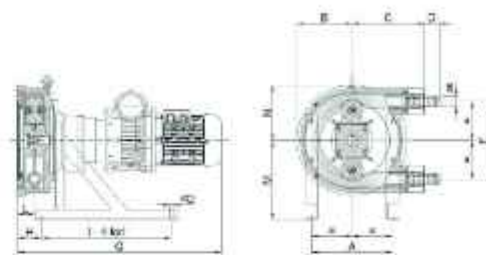
MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. 1400 IP55

A = suction pressure in m
 P = discharge pressure in m
 I = ratio

* = according to hose compound
 di = inn. diam. pump hose mm
 Qu = litres for revolution
 Nm = min. start. torque



ASP 10/15



ASP 25/15 - 25 - 32 - 40 - 50 - 65

OVERALL DIMENSIONS

TYPE	A	B	C	D	E	F	G	H	I	L	M	N	øO	Kg.
ASP 10 VX	210	112	166	25	15	167	251	21	220	40	184	345	7	20
ASP 15 VX	210	112	166	30	20	167	251	21	220	40	184	345	7	20
ASP 25/15 VX	250	170	224	45	20	240	640	75	400	52	228	170	11	50
ASP 25 VX	250	170	224	45	32	240	640	75	400	52	228	170	11	50
ASP 32 VX	330	217	290	66	40	314	735	114	520	68	300	217	11	90
ASP 40 VX	420	270	340	70	50	398	684	130	580	74	370	270	14	120
ASP 50 VX	420	330	380	80	65	512	1017	158	650	88	440	330	14	180
ASP 65 VX	566	440	510	91	80	672	1385	142	930	106	570	440	16	430

TECHNICAL CHARACTERISTICS

TYPE	Q (L/H)	A	P	RPM	I	KW	di	Qu	Nm
ASP 10 VX	9-66	8	100/80	4,5-32	60	0,25	10	0,034	36
	19-130	8	100/60	9,3-66	40	0,37			
	28,5-200	8	100/60	14-98	20	0,37			
ASP 15 VX	20-142	8	100/80	4,5-32	60	0,25	15	0,074	36
	41,3-289	8	100/60	9,3-66	30	0,37			
	62-435	8	100/60	14-98	20	0,37			
ASP 25/15 VX	66-386	8	100/80	7-49	40	0,75	15	0,131	40
	71-496	8	100/60	9-63	31,6	0,75			
	110-870	8	100/60	14-98	20	0,75			
ASP 25 VX	134-940	8	100/80	7-49	40	0,75	25	0,32	40
	173-1210	8	100/60	9-63	31,6	0,75			
	268-1880	8	100/60	14-98	20	0,75			
ASP 32 VX	294-2068	8	100/80	7-42	46	1,5	32	0,70	76
	390-2730	8	100/60	9,3-66	30	1,5			
	688-4116	8	100/40	14-98	20	1,5			
ASP 40 VX	408-2866	8	100/80	6-35	66	1,5	40	1,36	110
	734-5140	8	100/60	9-63	31,6	2,2			
	938-6628	8	100/40	11,6-80	24,5	2,2			
ASP 50 VX	837-6860	8	100/80	6-35	66	2,2	50	2,79	200
	1607-10546	8	100/60	9-63	31,6	3			
	1925-13396	8	100/40	11,6-80	24,5	4			
ASP 65 VX	1720-12090	8	100/80	4,4-31	63	5,5	65	6,60	400
	2730-19110	8	100/60	7-49	40	7,5			
	3510-24670	8	100/40	9-63	31,6	7,5			

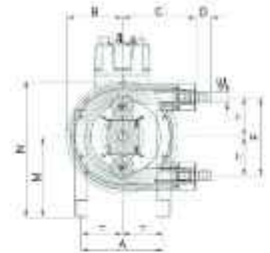
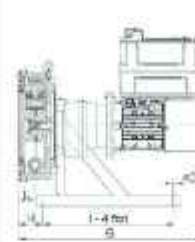
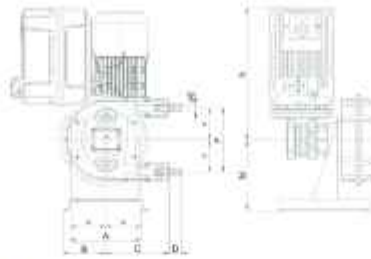
MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. 1400 IP55

A = suction pressure in m
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I = ratio

* = according to hose compound
di = inn. diam. pump hose mm
Qu = litres for revolution
Nm = min. start. torque



ASP 10/15



ASP 25/15 - 25 - 32 - 40 - 50 - 65

OVERALL DIMENSIONS

TYPE	A	B	C	D	E	F	G	H	I	L	M	N	ØO	Kg.
ASP 10 IX	210	112	166	25	15	167	251	21	220	40	184	334	7	25
ASP 15 IX	210	112	166	30	20	167	251	21	220	40	184	334	7	25
ASP 25/15 IX	250	170	224	25	20	240	550	75	400	52	228	398	11	54
ASP 25 IX	250	170	224	25	32	240	550	75	400	52	228	398	11	54
ASP 32 IX	330	217	230	66	40	314	654	114	520	68	300	517	11	90
ASP 40 IX	420	270	340	70	50	398	735	130	580	74	370	640	14	130
ASP 50 IX	420	330	380	80	65	512	833	168	650	88	440	770	14	170
ASP 65 IX	566	440	510	91	80	672	1107	142	930	108	570	1010	18	430

TECHNICAL CHARACTERISTICS

TYPE	Q (L/M)	A	P	RPM	I	KW	di	Qu	Nm
ASP 10 IX	6,6-30,6	8	100/80	3,2-15	60	0,22	10	0,034	35
	9,6-46	8	100/70	4,7-22,5	40	0,22			
	16,6-77,6	8	100/60	7,6-38	26	0,37			
	26-129	8	100/60	12,7-63,3	16	0,37			
ASP 15 IX	14,2-66,6	8	100/80	3,2-15	60	0,22	16	0,074	35
	21-100	8	100/70	4,7-22,5	40	0,22			
	34-168,7	8	100/60	7,6-38	26	0,37			
	56,4-281	8	100/60	12,7-63,3	16	0,37			
ASP 25/15 IX	37-196,6	8	100/60	4,7-25	40	0,37	16	0,131	40
	60-314,4	8	100/70	7,6-40	26	0,75			
	94,3-487,3	8	100/60	12-62	16	0,75			
	118-629	8	100/40	15-80	12,5	0,75			
ASP 25 IX	90-480	8	100/60	4,7-25	40	0,37	25	0,32	40
	146-768	8	100/60	7,6-40	26	0,75			
	230-1190	8	100/60	12-62	16	0,75			
	288-1638	8	100/40	15-80	12,5	0,75			
ASP 32 IX	210-1134	8	100/80	6-27	37	1,1	32	0,70	75
	319-1680	8	100/60	7,6-40	26	1,1			
	504-2604	8	100/60	12-62	16	1,1			
	630-3360	8	100/40	15-80	12,5	1,1			
ASP 40 IX	342-1811	8	100/60	4,2-22,2	46	1,6	40	1,36	110
	489-2611	8	100/60	6-32	31,6	1,6			
	776-4080	8	100/60	9,6-50	20	2,2			
	979-5069	8	100/40	12-62	16	2,2			
ASP 50 IX	703-3716	8	100/60	4,2-22,2	46	2,2	60	2,79	200
	1004-6366	8	100/60	6-32	31,6	2,2			
	1690-8370	8	100/60	9,6-50	20	3			
	2008-10378	8	100/40	12-62	16	3			
ASP 65 IX	1638-8668	8	100/60	4,2-22,2	46	4	65	6,60	400
	2340-12480	8	100/60	6-32	31,6	6,6			
	2964-15600	8	100/60	7,6-40	26	7,6			
	3706-19600	8	100/40	9,6-50	20	7,6			

MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. 1400 IP55

*= according to hose compound

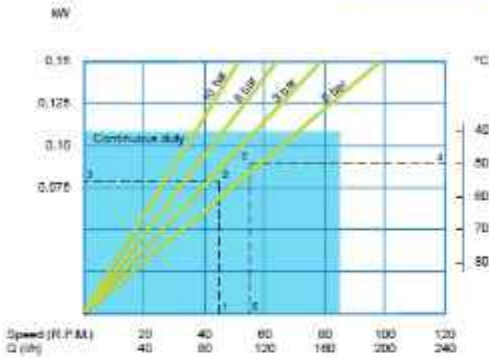
4-20mA SIGNAL ON DEMAND

A = suction pressure in m
P = discharge pressure in m
I = ratio

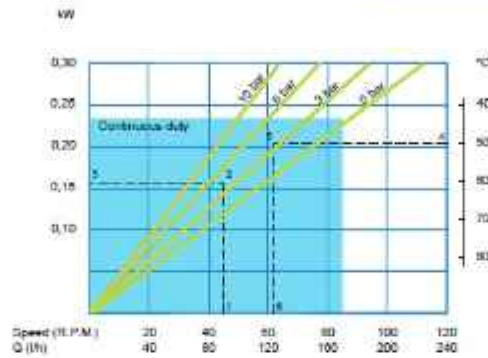
di = inn. diam. pump hose mm
Qu = litres for revolution
Nm = min. start. torque

PERFORMANCE CURVES

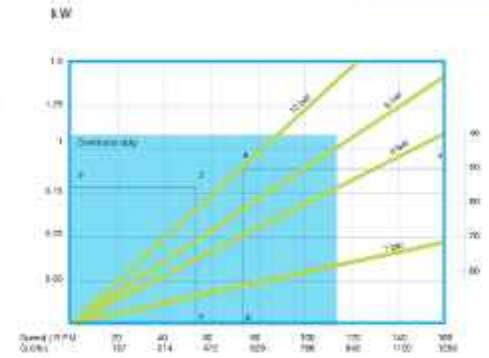
ASP 10



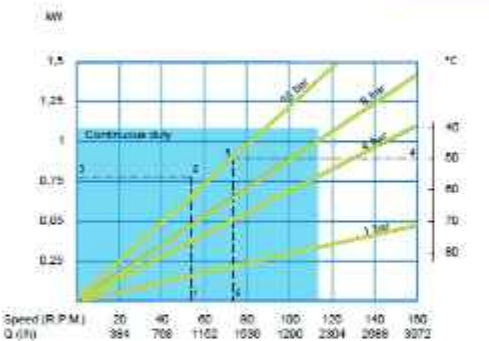
ASP 15



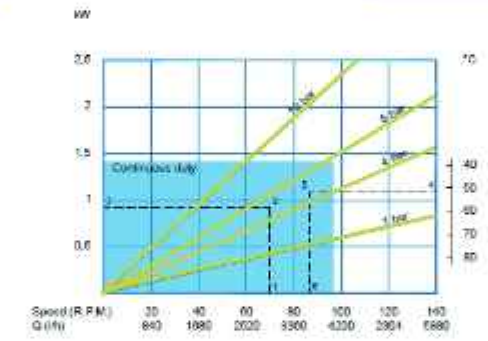
ASP 25/15



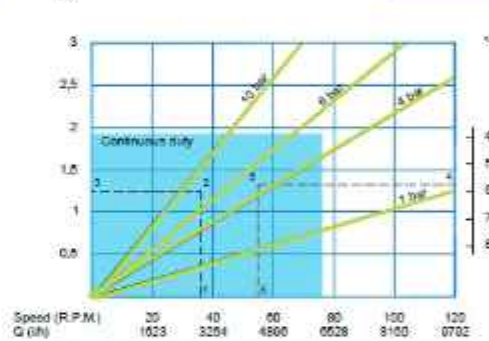
ASP 25



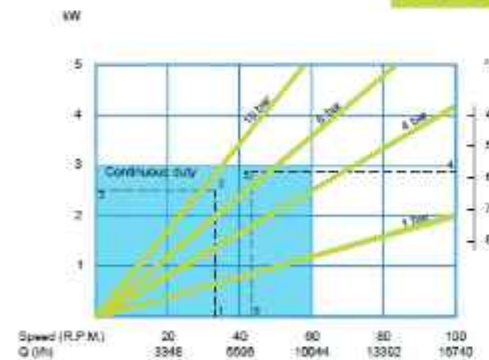
ASP 32



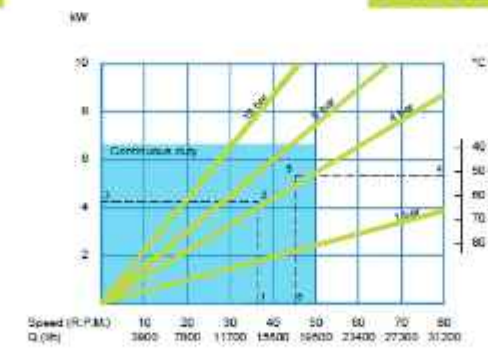
ASP 40



ASP 50



ASP 65



HOW TO USE THE CURVES

- Flow required indicates pump speed
- Calculated discharge pressure
- Net motor power required
- Fluid temperature
- Calculated discharge pressure
- Maximum recommended pump speed

The operating data here described refer to water or similar peculiarity fluid.

SPECIAL VERSION



DOUBLE HEAD



PUMP HEAD



TROLLEY



HELIOS ATR

Peristaltic pumps

Capacity up to about 64000 l/h - delivery head up to 8 bar

Viscosity up to 60000 cps - Achievable suction up to 8 mts



Element	Material
1 Pump casing	Cast Iron
2 Rotor	Iron
3 Rollers	aluminium nylatron
4 Base	Iron
5 Flange ISO	AISI 304

Special couplings:
DIN
TRI-CLAMPS
ANSI, ISO, UNI, FLANGES

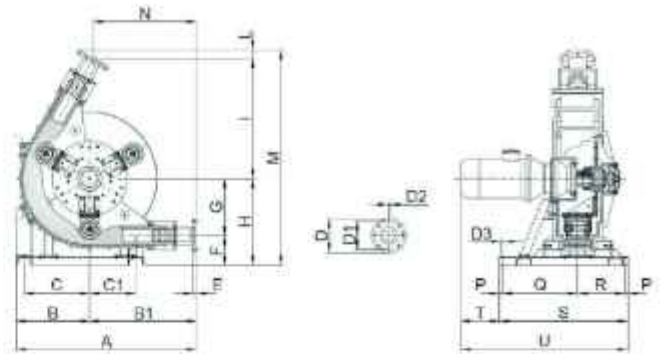
TECHNICAL FEATURES

- No mechanical seal or stuffing box
- Robust
- Suitable for aggressive or viscous fluids
- Damage-free continuous dry running
- Outlet pressures up to 8 bar
- Very easy maintenance
- Big Performance

AVAILABLE HOSES MATERIALS

- NR
- NBR
- EPDM
- NBR Food
- NR Food





ATR 80 FX/TD

OVERALL DIMENSIONS

A	B	B1	C	C1	D	D1	D2	D3	E	F	G	H	I	L	M	N	O	P	Q	R	S	T	U
1148	487	681	417	295	220	180	18	18	22	189	385	654	772	55	1391	657	0	20	450	300	820	245	1085

TECHNICAL CHARACTERISTICS

Q(L/H)	A	P	RPM	Kw	di	Qu	Nm	Kg
12160	8	60 (80)	22,3	5,5 (7,5)				
18874	8	30 (50)	34,6	5,5 (9)	80	9,1	1200	390
21915	8	25 (45)	40,1	5,5 (9)				
26422	8	20 (40)	48,4	7,5 (11)				

ATR 280 FX/TD

OVERALL DIMENSIONS

A	B	B1	C	C1	D	D1	D2	D3	E	F	G	H	I	L	M	N	O	P	Q	R	S	T	U
1148	487	681	417	295	220	180	18	18	22	189	385	654	772	55	1391	657	118	20	550	370	950	294	1254

TECHNICAL CHARACTERISTICS

Q(L/H)	A	P	RPM	Kw	di	Qu	Nm	Kg
24321	8	60 (80)	22,2	7,5 (11)				
37748	8	30 (50)	34,6	11 (15)	80	18,2	2000	515
43830	8	25 (45)	40,1	11 (15)				
52845	8	20 (40)	48,4	11 (15)				

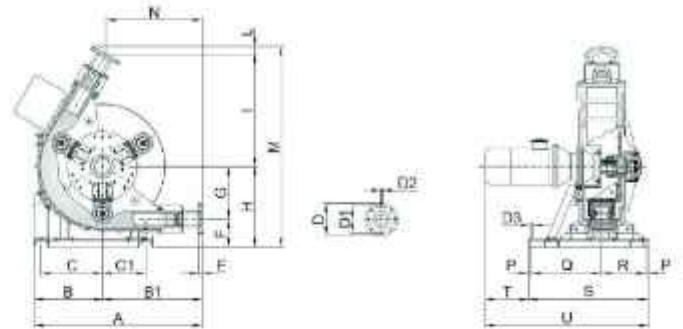
MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. 1400 IP55

- * = according to hose compound
- A = suction pressure in m
- P = discharge pressure in m

- di = inn. diam. pump hose mm
- Qu = litres for revolution
- Nm = min. start torque



AVAILABLE IN ATEX CERTIFICATION:
EX: I M2 E II 2G E IB, TX



ATR 80 IX/TD

OVERALL DIMENSIONS

A	B	B1	C	C1	D	D1	D2	D3	E	F	G	H	I	L	M	N	O	P	Q	R	S	T	U
1148	487	681	417	296	220	180	16	18	22	189	966	664	772	66	1381	667	Ø	20	480	300	820	246	1066

TECHNICAL CHARACTERISTICS

Q(L/H)	A	P	RPM	Kw	hz	di	Qu	Nm	Kg
2432 + 14692	8	50 (80)	4,5 + 26,7	5,6 (7,6)					
3775 + 22849	8	30 (50)	6,9 + 41,6	5,6 (9)	10 + 60	80	9,1	1200	440
4383 + 26298	8	25 (45)	8,0 + 48,2	7,6 (11)					
5284 + 31707	8	20 (40)	9,7 + 68,1	7,6 (11)					

ATR 280 IX/TD

OVERALL DIMENSIONS

A	B	B1	C	C1	D	D1	D2	D3	E	F	G	H	I	L	M	N	O	P	Q	R	S	T	U
1148	487	681	417	296	220	180	16	18	22	189	966	664	772	66	1381	667	119	20	560	370	980	294	1264

TECHNICAL CHARACTERISTICS

Q(L/H)	A	P	RPM	Kw	hz	di	Qu	Nm	Kg
4864 + 29186	8	50 (80)	4,5 + 26,7	11 (16)					
7560 + 45298	8	30 (50)	6,9 + 41,6	11 (16)	10 + 60	80	18,2	2000	680
8766 + 52806	8	25 (45)	8,0 + 48,2	11 (16)					
10669 + 63414	8	20 (40)	9,7 + 68,1	11 (16)					

MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. 1400 IP55

4-20mA SIGNAL ON DEMAND

* = according to hose compound
 A = suction pressure in m
 P = discharge pressure in m

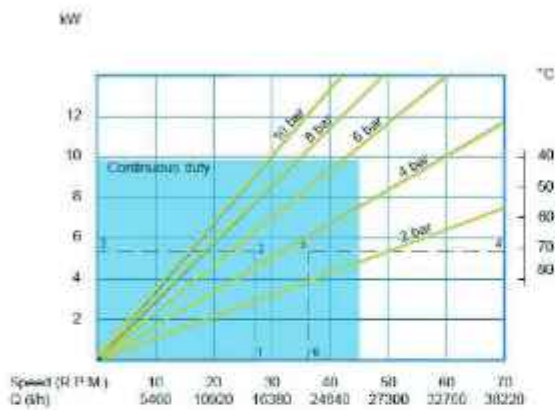
di = inn. diam; pump hose mm
 Qu = litres for revolution
 Nm = min. start torque

PERFORMANCE CURVES

SPECIAL VERSION

Portata / Output

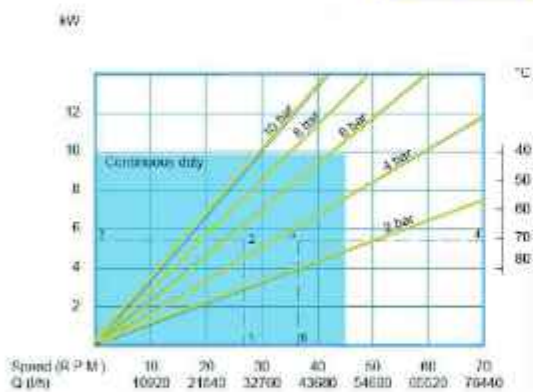
ATR 80



ATR 80/280 TC
BELT TRANSMISSION

Portata / Output

ATR 280



PUMP HEAD

HOW TO USE THE CURVES

- Flow required indicates pump speed
- Calculated discharge pressure
- Net motor power required
- Fluid temperature
- Calculated discharge pressure
- Maximum recommended pump speed

The operating data here described refer to water or similar peculiarity fluid



TROLLEY

fluimac[®]

pump solution



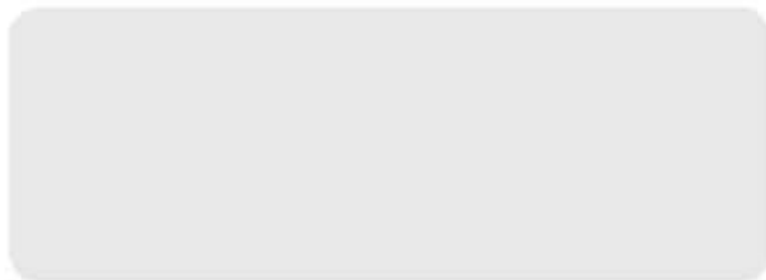
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Italy*

