

**fluimac**<sup>®</sup>  
p u m p   s o l u t i o n



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**HELIOS**  
PERISTALTIC PUMPS

Made in  
Italy

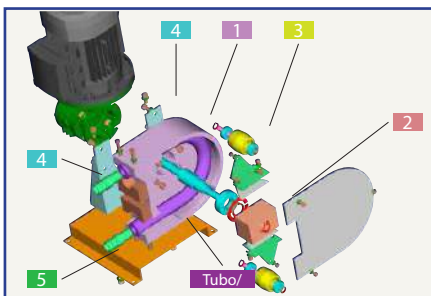
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ENGLISH 



# 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
4 As 25	aluminium alloy
4 Base	Iron
5 Hose Connector	AISI 304

**Special couplings:**

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

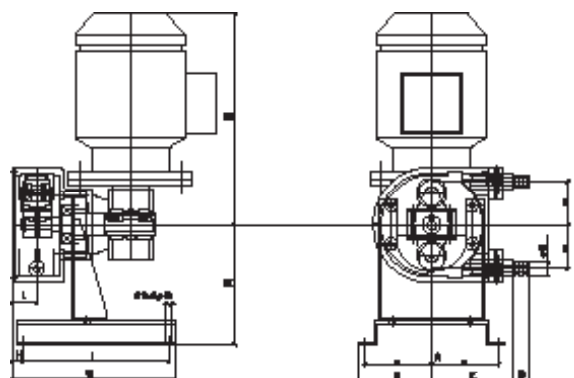
**TECHNICAL FEATURES**

- 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**

- NR
- NBR
- Norprene ®
- Silicone
- EPDM
- Pharmed ®
- Tygon (AS25)
- Hypalon (AS25)





## OVERALL DIMENSIONS

TYPE	A	B	C	D	E	F	G	H	I	L	M	N	øO	Kg.
<b>AS 10 FX</b>	172	92	92	20	15	104	185	12	166	28	137	245	7	9
<b>AS 15 FX</b>	172	92	110	20	20	127	183	12	166	30	137	245	7	10
<b>AS 20 FX</b>	210	112	142	35	25	175	248	18	220	40	184	260	7	18
<b>AS 25 FX</b>	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
<b>AS 10 FX</b>	23	4	15	23	60	0,18	9	0,017	6
	35	4	15	35	40	0,18			
	47	4	15	47	30	0,18			
	70	4	15	70	20	0,18			
	93	4	15	93	15	0,18			
<b>AS 15 FX</b>	56	4	15	23	60	0,18	13	0,041	12
	86	4	15	35	40	0,18			
	115	4	15	47	30	0,18			
	172	4	15	70	20	0,18			
	228	4	15	93	15	0,18			
<b>AS 20 FX</b>	149	5	* 15 - 40	23	60	0,18	17	0,108	20
	227	5	* 15 - 40	35	40	0,18			
	305	5	* 15 - 30	47	30	0,18			
	453	5	* 15 - 30	70	20	0,18			
	602	5	* 10 - 20	93	15	0,18			
<b>AS 25 FX</b>	538	6	* 20 - 40	28	60	0,37	25	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	0,75			
	1785	6	* 15 - 25	93	15	0,75			

**MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. I400 IP55**

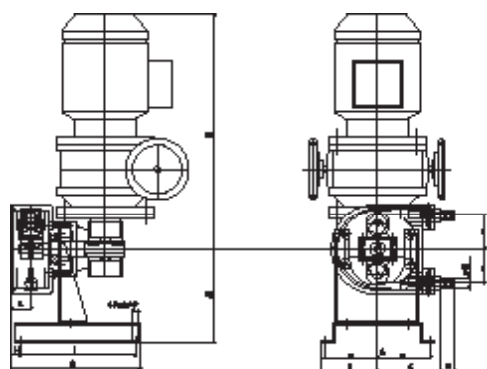
\*= according to hose compound

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 IIB, 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	15	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	25	175	248	18	220	40	184	343	7	22
AS 25 VX	250	146	210	45	32	254	386	81	290	52	228	476	11	45

## TECHNICAL CHARACTERISTICS

TYPE	Q ( L/H)	A	P	RPM	I	KW	di	Qu	Nm
AS 10 VX	3,2 ÷ 15	4	15	3,2 ÷ 15	60	0,22			
	4,7 ÷ 22,5	4	15	4,7 ÷ 22,5	40	0,22			
	6,3 ÷ 30	4	15	6,3 ÷ 30	30	0,22	9	0,017	6
	9,5 ÷ 45	4	15	9,5 ÷ 45	20	0,22			
	19 ÷ 90	4	15	19 ÷ 90	10	0,22			
AS 15 VX	7,8 ÷ 37	4	15	3,2 ÷ 15	60	0,22			
	11,6 ÷ 55	4	15	4,7 ÷ 22,5	40	0,22			
	15,5 ÷ 73,8	4	15	6,3 ÷ 30	30	0,22	13	0,041	12
	23,4 ÷ 110	4	15	9,5 ÷ 45	20	0,22			
	47 ÷ 221	4	15	19 ÷ 90	10	0,22			
AS 20 VX	21 ÷ 97	5	* 15 - 40	3,2 ÷ 15	60	0,22			
	30 ÷ 146	5	* 15 - 40	4,7 ÷ 22,5	40	0,22			
	41 ÷ 194	5	* 15 - 40	6,3 ÷ 30	30	0,22	17	0,108	20
	62 ÷ 291	5	* 15 - 40	9,5 ÷ 45	20	0,22			
	82 ÷ 388	5	* 15 - 40	12,7 ÷ 60	15	0,22			
AS 25 VX	73 ÷ 365	6	* 20 - 40	3,8 ÷ 19	60	0,37			
	90 ÷ 455	6	* 20 - 40	4,7 ÷ 23,7	40	0,37			
	121 ÷ 608	6	* 20 - 35	6,3 ÷ 31,7	30	0,37	25	0,320	30
	182 ÷ 912	6	* 15 - 30	9,5 ÷ 47,5	20	0,37			
	243 ÷ 1280	6	* 15 - 25	12,7 ÷ 66,7	15	0,75			

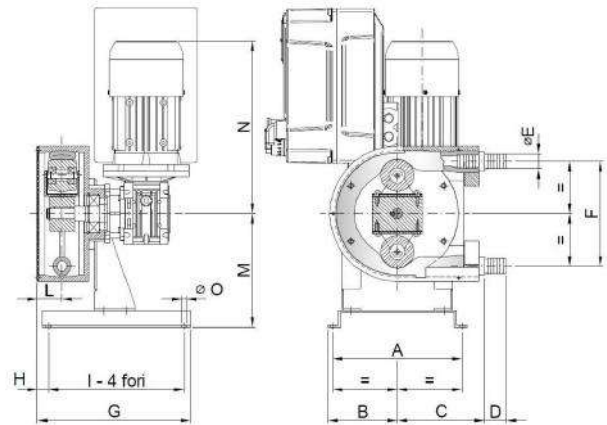
**MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. I400 IP55**

\* = 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	137	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	9	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	13	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 ÷ 453	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	0,55			
	58 ÷ 1785	6	* 15 - 25	3 ÷ 93	30	0,75			

**MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. I400 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

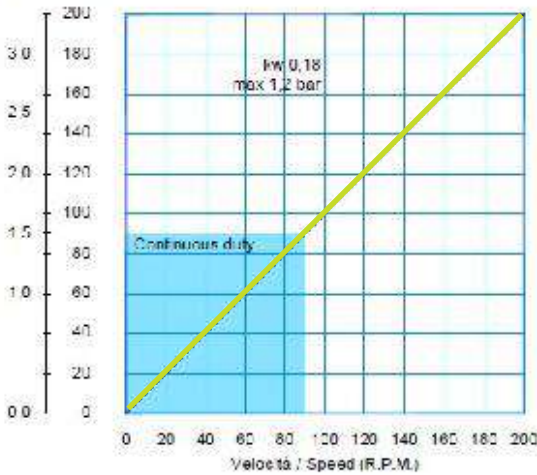


## PERFORMANCE CURVES

Portata / Output

Q (l/min) Q (Ph)

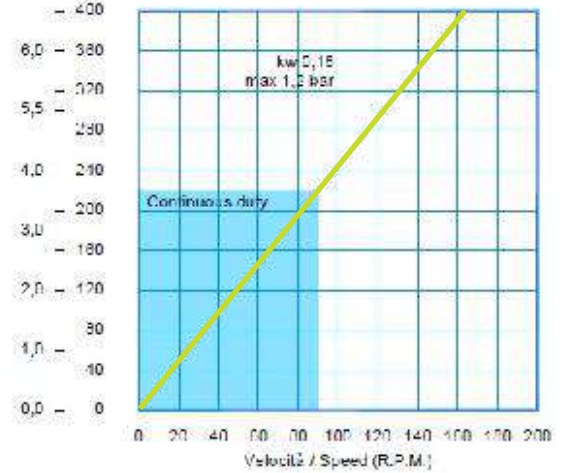
**AS 10**



Portata / Output

Q (l/min) Q (Ph)

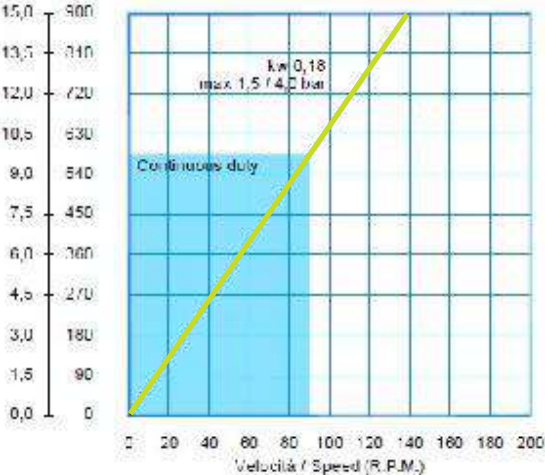
**AS 15**



Portata / Output

Q (l/min) Q (Ph)

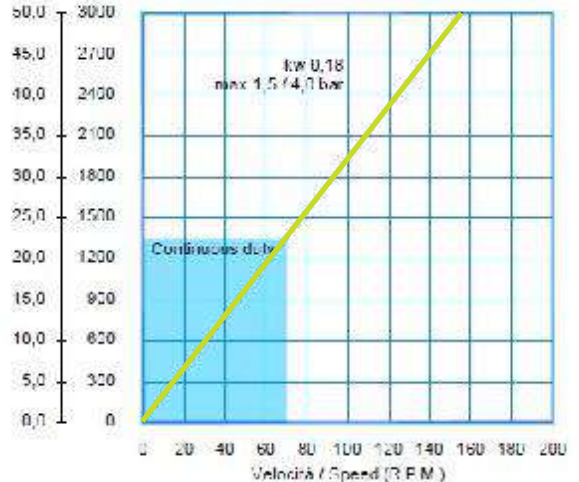
**AS 20**



Portata / Output

Q (l/min) Q (Ph)

**AS 25**



### 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

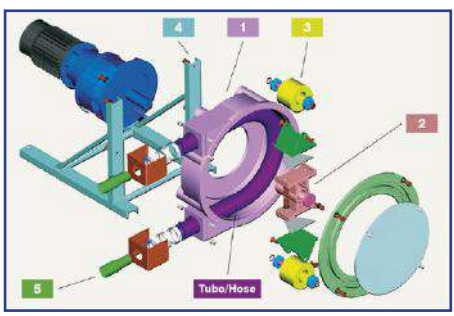
The operating data here described refer to water or similar peculiarity fluid



# 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	Material
1 Pump casing	aluminium alloy
2 Rotor	aluminium alloy
3 Rollers	aluminium nylatron
4 Base	Iron
5 Hose Connector	AISI 304

**Special couplings:**  
 Hose Connector in AISI 316, PVC, PTFE  
 DIN  
 TRI-CLAMPS  
 ANSI, ISO, UNI, FLANGES

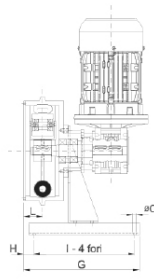
### TECHNICAL FEATURES

- 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

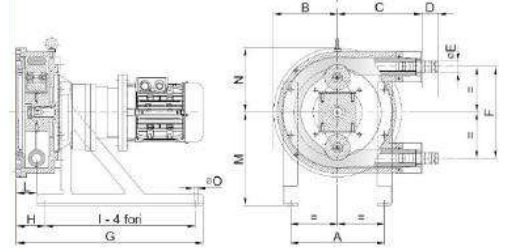
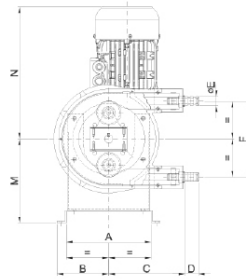
### AVAILABLE HOSES MATERIALS

- NR
- NBR
- EPDM
- NBR Food
- NR Food
- Hypalon
- EPDM 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.
<b>ASP 10 FX</b>	210	112	166	25	15	167	251	21	220	40	184	260	7	16
<b>ASP 15 FX</b>	210	112	166	30	20	167	251	21	220	40	184	260	7	16
<b>ASP 25/15 FX</b>	250	170	224	25	20	240	495	75	400	52	228	170	11	44
<b>ASP 25 FX</b>	250	170	224	25	32	240	495	75	400	52	228	170	11	44
<b>ASP 32 FX</b>	330	217	230	66	40	314	655	114	520	68	300	217	11	80
<b>ASP 40 FX</b>	420	270	340	70	50	398	735	130	580	74	370	270	14	120
<b>ASP 50 FX</b>	420	330	380	80	65	512	833	158	650	88	440	330	14	160
<b>ASP 65 FX</b>	566	440	510	91	80	672	1107	142	930	106	570	440	17	430

## TECHNICAL CHARACTERISTICS

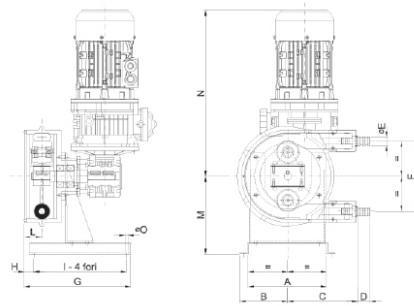
TYPE	Q ( L/H)	A	P	RPM	I	KW	di	Qu	Nm
<b>ASP 10 FX</b>	47	8	100	23	60	0,18	10	0,034	35
	72	8	80	35	40	0,18			
	96	8	80	47	30	0,37			
	143	8	80	70	20	0,37			
<b>ASP 15 FX</b>	102	8	100	23	60	0,18	15	0,074	35
	155	8	80	35	40	0,18			
	209	8	80	47	30	0,37			
	310	8	80	70	20	0,37			
<b>ASP 25/15 FX</b>	275	8	80	35	40	0,55	15	0,131	40
	354	8	80	45	31,5	0,75			
	440	8	70	56	25	0,75			
	550	8	60	70	20	0,75			
<b>ASP 25 FX</b>	672	8	80	35	40	0,55	25	0,32	40
	864	8	80	45	31,5	0,75			
	1075	8	70	56	25	0,75			
	1344	8	60	70	20	0,75			
<b>ASP 32 FX</b>	1596	8	100	38	37	1,1	32	0,70	75
	1974	8	80	47	30	1,1			
	2436	8	60	58	24	1,1			
	2940	8	40	70	20	1,1			
<b>ASP 40 FX</b>	2040	8	100	25	56	1,5	40	1,36	110
	2938	8	80	36	39	1,5			
	3672	8	60	45	31,5	1,5			
	5712	8	40	70	20	1,5			
<b>ASP 50 FX</b>	4185	8	100	25	56	2,2	50	2,79	200
	6026	8	60	36	39	2,2			
	7533	8	60	45	31,5	3			
	11718	8	40	70	20	3			
<b>ASP 65 FX</b>	8580	8	80	22	63	4	65	6,50	400
	13650	8	60	35	40	5,5			
	15500	8	60	45	31,5	7,5			
	21840	8	50	56	25	7,5			

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

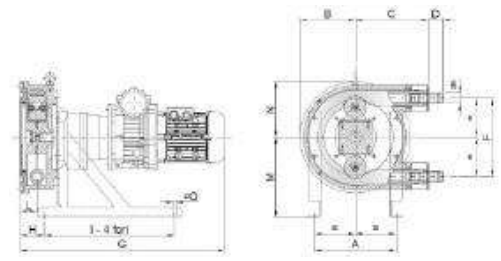
A = suction pressure in m  
 P = discharge pressure in m  
 I = ratio

\*= 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.
<b>ASP 10 VX</b>	210	112	166	25	15	167	251	21	220	40	184	345	7	20
<b>ASP 15 VX</b>	210	112	166	30	20	167	251	21	220	40	184	345	7	20
<b>ASP 25/15 VX</b>	250	170	224	45	20	240	640	75	400	52	228	170	11	50
<b>ASP 25 VX</b>	250	170	224	45	32	240	640	75	400	52	228	170	11	50
<b>ASP 32 VX</b>	330	217	290	66	40	314	735	114	520	68	300	217	11	90
<b>ASP 40 VX</b>	420	270	340	70	50	398	884	130	580	74	370	270	14	120
<b>ASP 50 VX</b>	420	330	380	80	65	512	1017	158	650	88	440	330	14	180
<b>ASP 65 VX</b>	566	440	510	91	80	672	1385	142	930	106	570	440	18	430

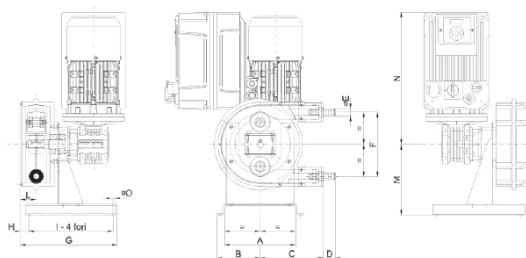
## TECHNICAL CHARACTERISTICS

TYPE	Q ( L/H)	A	P	RPM	I	KW	di	Qu	Nm
<b>ASP 10 VX</b>	6,5÷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			
	15,5÷77,5	8	100/60	7,6÷38	25	0,37			
	26÷129	8	100/50	12,7÷63,3	15	0,37			
<b>ASP 15 VX</b>	14,2÷66,6	8	100/80	3,2÷15	60	0,22	15	0,074	35
	21÷100	8	100/70	4,7÷22,5	40	0,22			
	34÷168,7	8	100/60	7,6÷38	25	0,37			
	56,4÷281	8	100/50	12,7÷63,3	15	0,37			
<b>ASP 25/15 VX</b>	37÷196,5	8	100/60	4,7÷25	40	0,55	15	0,131	40
	60÷314,4	8	100/70	7,6÷40	25	0,75			
	94,3÷487,3	8	100/50	12÷62	16	0,75			
	118÷629	8	100/40	15÷80	12,5	0,75			
<b>ASP 25 VX</b>	90÷480	8	100/60	4,7÷25	40	0,55	25	0,32	40
	146÷768	8	100/60	7,6÷40	25	0,75			
	230÷1190	8	100/50	12÷62	16	0,75			
	288÷1536	8	100/40	15÷80	12,5	0,75			
<b>ASP 32 VX</b>	210÷1134	8	100/60	5÷27	37	1,1	32	0,70	75
	319÷1680	8	100/60	7,6÷40	25	1,1			
	504÷2604	8	100/50	12÷62	16	1,1			
	630÷3360	8	100/40	15÷80	12,5	1,1			
<b>ASP 40 VX</b>	342÷1811	8	100/60	4,2÷22,2	45	1,5	40	1,36	110
	489÷2611	8	100/60	6÷32	31,5	1,5			
	775÷4080	8	100/50	9,5÷50	20	2,2			
	979÷5059	8	100/40	12÷62	16	2,2			
<b>ASP 50 VX</b>	703÷3716	8	100/60	4,2÷22,2	45	2,2	50	2,79	200
	1004÷5356	8	100/60	6÷32	31,5	2,2			
	1590÷8370	8	100/50	9,5÷50	20	3			
	2008÷10378	8	100/40	12÷62	16	3			
<b>ASP 65 VX</b>	1638÷8658	8	100/60	4,2÷22,2	45	4	65	6,50	400
	2340÷12480	8	100/60	6÷32	31,5	5,5			
	2964÷15600	8	100/50	7,6÷40	25	7,5			
	3705÷19500	8	100/40	9,5÷50	20	7,5			

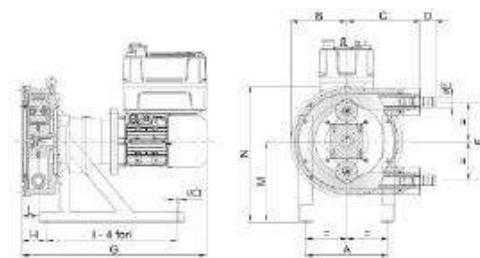
## MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. I400 IP55

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.
<b>ASP 10 IX</b>	210	112	166	25	15	167	251	21	220	40	184	334	7	25
<b>ASP 15 IX</b>	210	112	166	30	20	167	251	21	220	40	184	334	7	25
<b>ASP 25/15 IX</b>	250	170	224	25	20	240	550	75	400	52	228	398	11	54
<b>ASP 25 IX</b>	250	170	224	25	32	240	550	75	400	52	228	398	11	54
<b>ASP 32 IX</b>	330	217	230	66	40	314	654	114	520	68	300	517	11	90
<b>ASP 40 IX</b>	420	270	340	70	50	398	735	130	580	74	370	640	14	130
<b>ASP 50 IX</b>	420	330	380	80	65	512	833	158	650	88	440	770	14	170
<b>ASP 65 IX</b>	566	440	510	91	80	672	1107	142	930	106	570	1010	18	430

## TECHNICAL CHARACTERISTICS

TYPE	Q ( L/H)	A	P	RPM	I	KW	di	Qu	Nm
<b>ASP 10 IX</b>	9÷65	8	100/80	4,5÷32	60	0,25	10	0,034	35
	19÷130	8	100/60	9,3÷65	40	0,37			
	28,5÷200	8	100/50	14÷98	20	0,37			
<b>ASP 15 IX</b>	20÷142	8	100/80	4,5÷32	60	0,25	15	0,074	35
	41,3÷289	8	100/60	9,3÷65	30	0,37			
	62÷435	8	100/50	14÷98	20	0,37			
<b>ASP 25/15 IX</b>	55÷385	8	100/80	7÷49	40	0,75	15	0,131	40
	71÷495	8	100/60	9÷63	31,5	0,75			
	110÷870	8	100/50	14÷98	20	0,75			
<b>ASP 25 IX</b>	134÷940	8	100/80	7÷49	40	0,75	25	0,32	40
	173÷1210	8	100/60	9÷63	31,5	0,75			
	268÷1880	8	100/50	14÷98	20	0,75			
<b>ASP 32 IX</b>	294÷2058	8	100/80	7÷49	46	1,5	32	0,70	75
	390÷2730	8	100/50	9,3÷65	30	1,5			
	588÷4116	8	100/40	14÷98	20	1,5			
<b>ASP 40 IX</b>	408÷2856	8	100/80	5÷35	56	1,5	40	1,36	110
	734÷5140	8	100/50	9÷63	31,5	2,2			
	938÷6528	8	100/40	11,5÷80	24,5	2,2			
<b>ASP 50 IX</b>	837÷5860	8	100/80	5÷35	56	2,2	50	2,79	200
	1507 ÷10546	8	100/50	9÷63	31,5	3			
	1925÷13395	8	100/40	11,5÷80	24,5	4			
<b>ASP 65 IX</b>	1720÷12090	8	100/80	4,4÷31	63	7,5	65	6,50	400
	2730÷19110	8	100/50	7÷49	40	7,5			
	3510÷24570	8	100/40	9÷63	31,5	7,5			

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

\*= according to hose compound

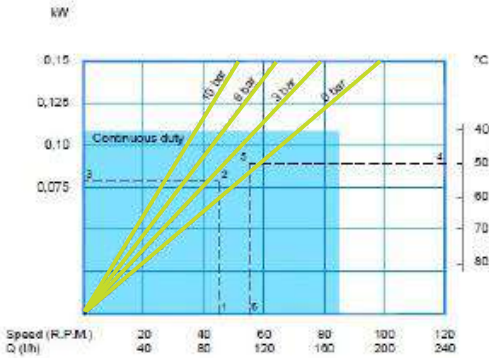
### 4-20mA SIGNAL ON DEMAND

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

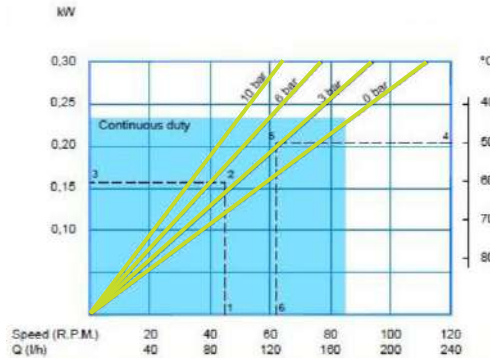
di = inn. diam. pump hose mm  
 Qu = litres for revolution  
 Nm = min. start. torque

## PERFORMANCE CURVES

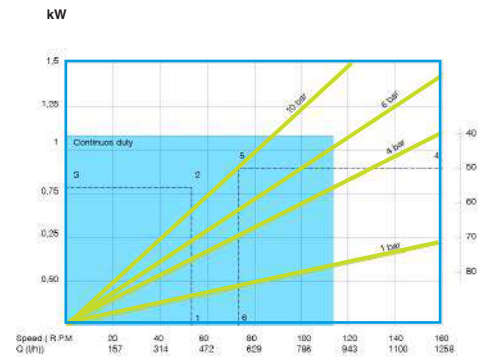
ASP 10



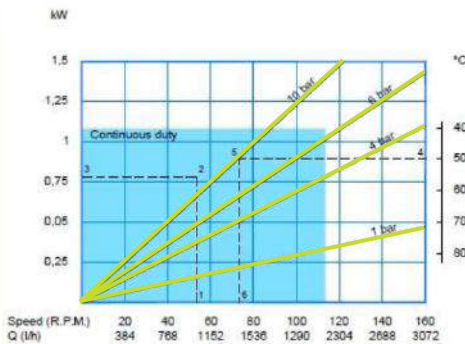
ASP 15



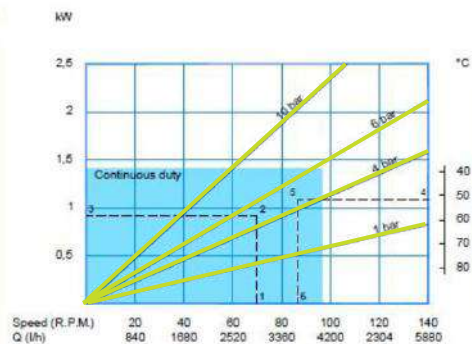
ASP 25/15



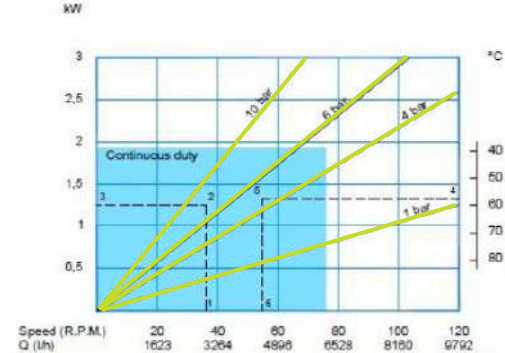
ASP 25



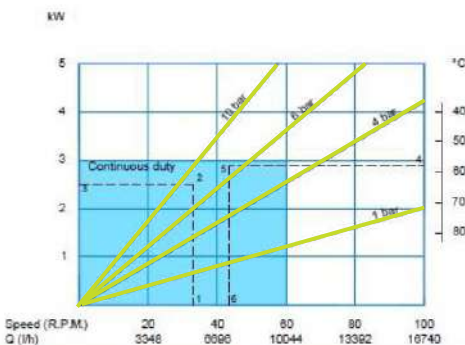
ASP 32



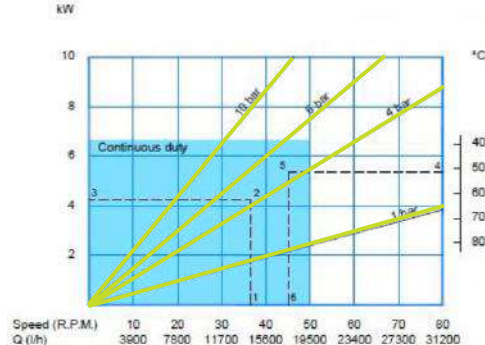
ASP 40



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



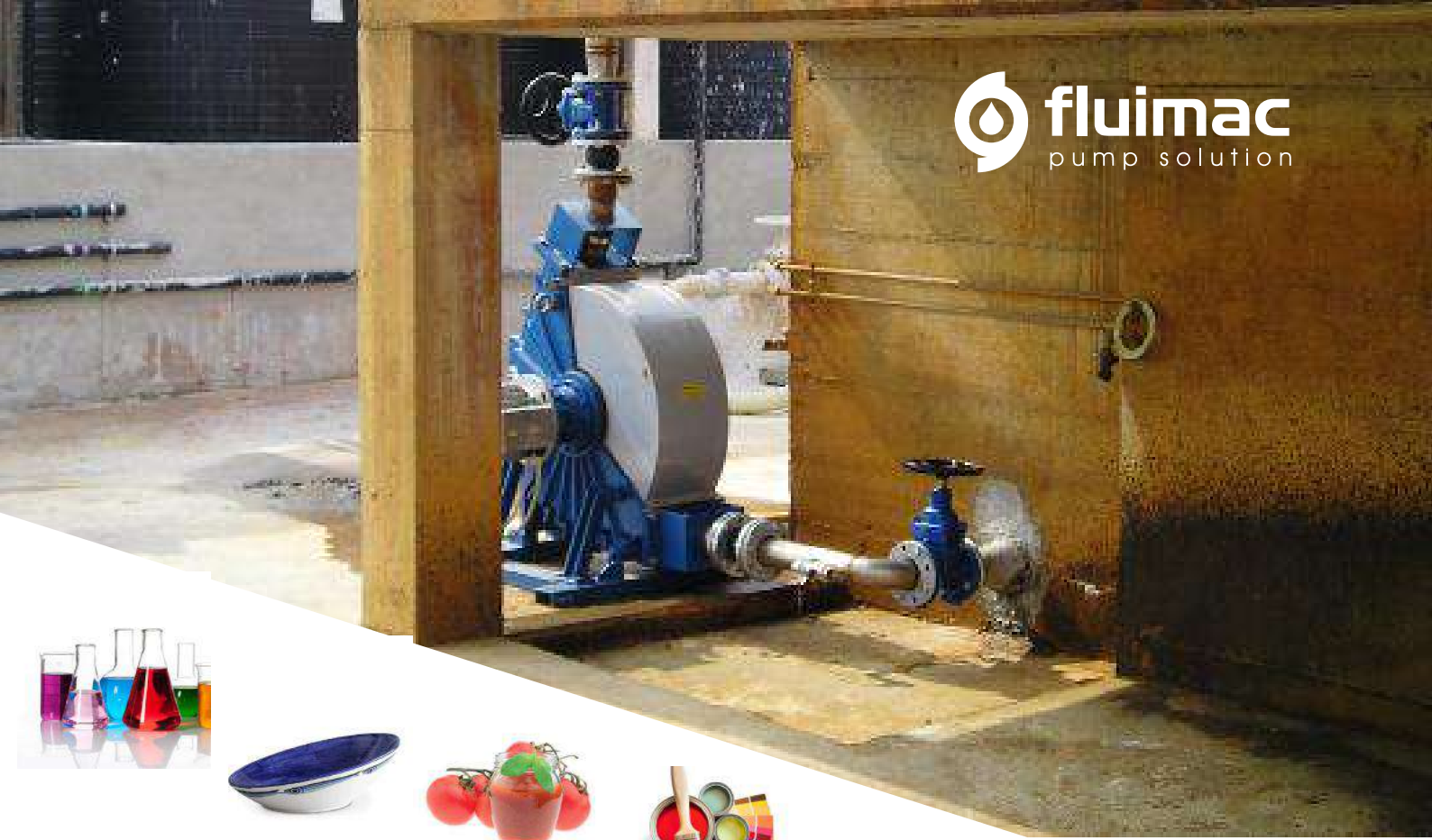
DOUBLE HEAD



PUMP HEAD



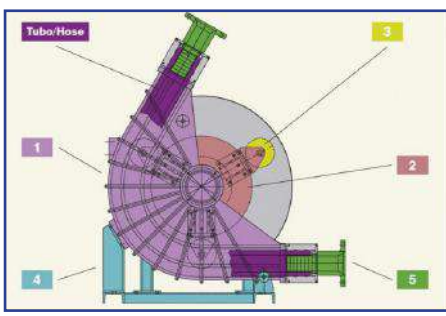
TROLLEY



# 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**

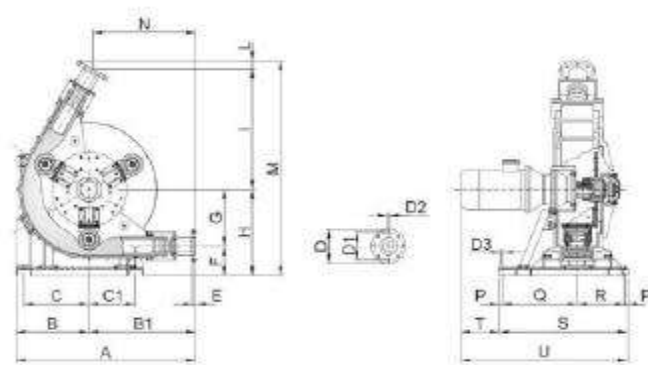
- No mechanical seal or stuffing box
- Robust
- Suitable for aggressive or viscous fluids
- Damage-free continuous dry running
- Outlet pressures up to 8 bar
- Very easy maintenance
- Big Performance

**AVAILABLE HOSES MATERIALS**

- NR
- NBR
- EPDM
- NR Food
- Hypalon







## 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	467	681	417	295	220	180	16	18	22	189	365	554	772	55	1391	657	O	20	480	300	820	245	1065

### TECHNICAL CHARACTERISTICS

Q(L/H)	A	P	RPM	Kw	di	Qu	Nm	Kg
12160	8	50 (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	467	681	417	295	220	180	16	18	22	189	365	554	772	55	1391	657	119	20	550	370	960	294	1254

### TECHNICAL CHARACTERISTICS

Q(L/H)	A	P	RPM	Kw	di	Qu	Nm	Kg
24321	8	50 (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. I400 IP55

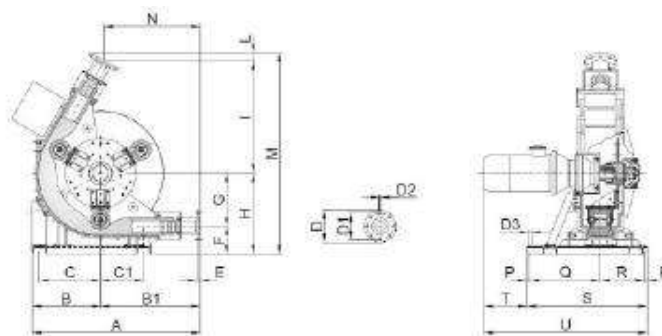
- \* = according to hose compound
- A = suction pressure in m
- P = discharge pressure in m

- 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 IIB, 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	467	681	417	295	220	180	16	18	22	189	365	554	772	55	1381	657	O	20	480	300	820	245	1065

### TECHNICAL CHARACTERISTICS

Q(L/H)	A	P	RPM	Kw	hz	di	Qu	Nm	Kg
2432 ÷ 14592	8	50 (80)	4,5 ÷ 26,7	5,5 (7,5)					
3775 ÷ 22649	8	30 (50)	6,9 ÷ 41,5	5,5 (9)	10 ÷ 60	80	9,1	1200	440
4383 ÷ 26298	8	25 (45)	8,0 ÷ 48,2	7,5 (11)					
5284 ÷ 31707	8	20 (40)	9,7 ÷ 58,1	7,5 (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	467	681	417	295	220	180	16	18	22	189	365	554	772	55	1381	657	119	20	550	370	960	294	1254

### TECHNICAL CHARACTERISTICS

Q(L/H)	A	P	RPM	Kw	hz	di	Qu	Nm	Kg
4864 ÷ 29185	8	50 (80)	4,5 ÷ 26,7	11 (15)					
7550 ÷ 45298	8	30 (50)	6,9 ÷ 41,5	11 (15)	10 ÷ 60	80	18,2	2000	580
8766 ÷ 52596	8	25 (45)	8,0 ÷ 48,2	11 (15)					
10569 ÷ 63414	8	20 (40)	9,7 ÷ 58,1	11 (15)					

### 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

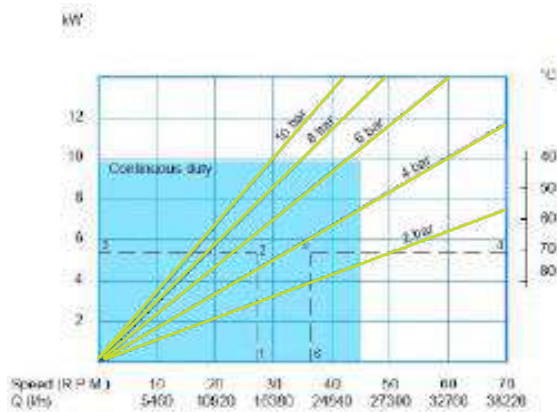
- di = inn. diam. pump hose mm
- Qu = litres for revolution
- Nm = min. start. torque

## PERFORMANCE CURVES

## SPECIAL VERSION

Portata / Output

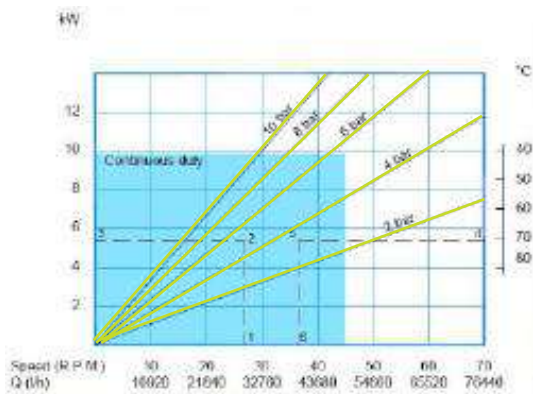
**ATR 80**



**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®

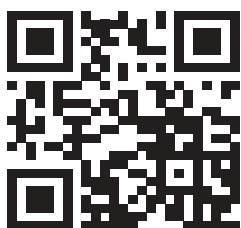
pump solution



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Italy*

