

Electromechanical Motor Driven Pumps



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TORK Series



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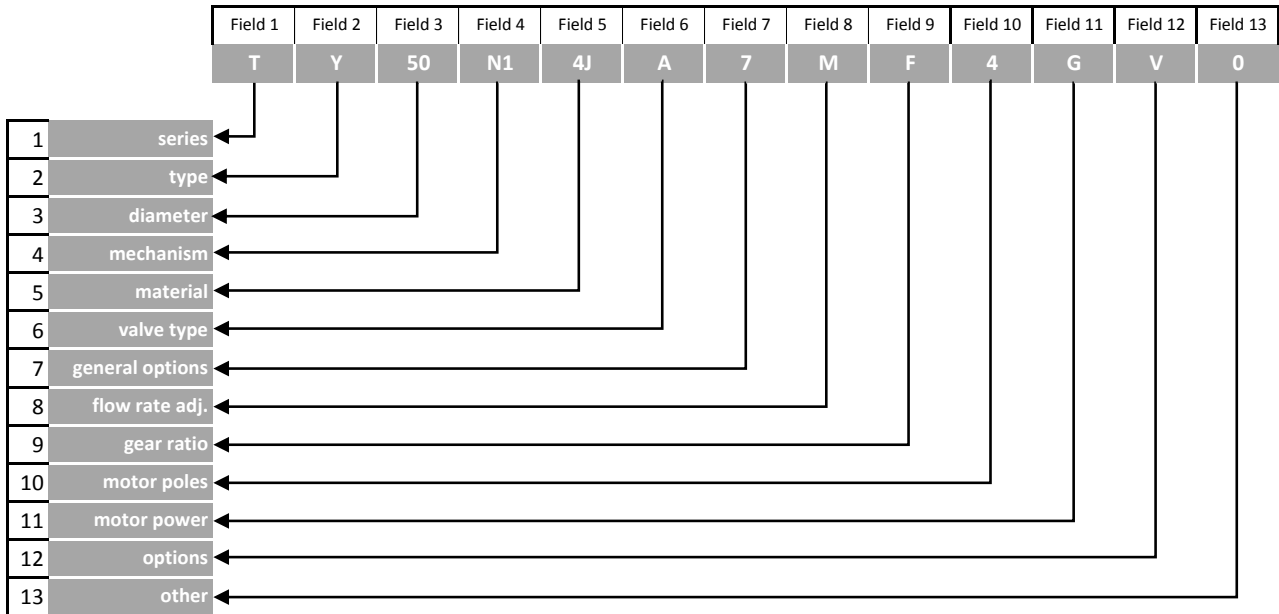
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TORK - CODYFING SYSTEM



Field 1	model
T	TORK

Field 2	type
Y	Hydraulic Double Diaphragm <i>up to 40 bar</i>
T	Hydraulic Double Diaphragm <i>up to 120 bar</i>
H	Hydraulic Double Diaphragm <i>up to 200 bar</i>

Field 3	diameter	<i>mm</i>	<i>for mechanism</i>
12	12	N0	
15	15	N0	
25	25	N0	
30	30	N1	
35	35	N0	
50	50	N1	
70	70	N1 / N2	
90	90	N2	
C0	120	N2	

Field 4	mechanism	<i>stroke length [mm]</i>
N0	10	
N1	25	
N2	35	

TORK - CODYFING SYSTEM

Field 5	material	<i>head</i>	<i>diaphragm</i>	<i>ball</i>	<i>valve seal</i>	<i>valve seat</i>
	5B	PP	PTFE	ceramic	FPM	PVDF
	4J	PVDF	PTFE	ceramic	FPM	PVDF
	2F	316L	PTFE	316L	316L	316L

Field 6	valve type
	A SINGLE ball
	B DOUBLE balls
	C TRIPLE balls

Field 7	general options
	7 STANDARD execution
	F Flanged Connections

Field 8	flow rate adj.
	M manual
	E electric actuator

Field 9	gear ratio
	D 1:12
	I 1:15
	F 1:20

Field 10	poles / phases
	4 4 / 3
	6 6 / 3

Field 11	motor power	<i>kW</i>
	O	WITHOUT motor
	B	0,18
	G	1,1
	I	2,2

Field 12	head options
	V Visual diaphragm failure detection
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Field 13	other
	0 STANDARD execution
	5 ATEX execution - 94/4/CE II 2 G c IIB T4 (for Zone 1)

TORK TY - STANDARD Version - RESUME TABLE

Max Pressure [bar] →
 Max Flow Rate [l/h] →
 Max Frequency [stroke/min] →

Connections [BSP] →
 Motor Power [kW] →

5B - POLYPROPYLENE

T	Y	1	2	N	0	5	B	B	7	M	I	6	B	V	0	47	2,8	12	1/2" F	0,18
T	Y	1	5	N	0	5	B	B	7	M	I	4	B	V	0	70	6,5	12	1/2" F	0,18
T	Y	2	0	N	0	5	B	B	7	M	I	4	B	V	0	70	12,4	12	1/2" F	0,18
T	Y	2	5	N	0	5	B	B	7	M	F	4	B	V	0	93	25,0	12	1/2" F	0,18
T	Y	3	5	N	0	5	B	B	7	M	F	4	B	V	0	93	49,0	12	1/2" F	0,18
T	Y	5	0	N	0	5	B	B	7	M	F	4	B	V	0	93	100,2	9	1/2" F	0,18
T	Y	5	0	N	0	5	B	B	7	M	A	4	C	V	0	200	213,4	6	1/2" F	0,25
T	Y	3	0	N	1	5	B	A	7	M	D	4	E	V	0	117	113	12	1/2" F	0,55
T	Y	4	0	N	1	5	B	A	7	M	F	4	E	V	0	93	163	12	1/2" F	0,55
T	Y	5	0	N	1	5	B	A	7	M	F	4	E	V	0	93	254	12	1/2" F	0,55
T	Y	7	0	N	1	5	B	A	7	M	F	4	G	V	0	93	501	12	1" F	1,1
T	Y	9	0	N	1	5	B	A	7	M	F	4	G	V	0	93	828	7	1 1/2" F	1,1
T	Y	9	0	N	1	5	B	A	7	M	A	4	G	V	0	200	1771	6	1 1/2" F	1,1
T	Y	7	0	N	2	5	B	A	7	M	D	4	I	V	0	117	865	12	1" F	2,2
T	Y	9	0	N	2	5	B	A	7	M	F	4	I	V	0	93	1200	11	1 1/2" F	2,2
T	Y	C	0	N	2	5	B	A	7	M	F	4	I	V	0	93	2065	7	1 1/2" F	2,2

4J - PVDF

T	Y	1	2	N	0	4	J	B	7	M	I	6	B	V	0	47	2,8	20	1/2" F	0,18
T	Y	1	5	N	0	4	J	B	7	M	I	4	B	V	0	70	6,5	20	1/2" F	0,18
T	Y	2	0	N	0	4	J	B	7	M	I	4	B	V	0	70	12,3	20	1/2" F	0,18
T	Y	2	5	N	0	4	J	B	7	M	F	4	B	V	0	93	25,0	20	1/2" F	0,18
T	Y	3	5	N	0	4	J	B	7	M	F	4	B	V	0	93	49,0	19	1/2" F	0,18
T	Y	5	0	N	0	4	J	B	7	M	F	4	B	V	0	93	100,2	9	1/2" F	0,18
T	Y	5	0	N	0	4	J	B	7	M	A	4	C	V	0	200	213,4	6	1/2" F	0,25
T	Y	3	0	N	1	4	J	A	7	M	D	4	E	V	0	117	111	20	1/2" F	0,55
T	Y	4	0	N	1	4	J	A	7	M	F	4	G	V	0	93	161	12	1/2" F	1,1
T	Y	5	0	N	1	4	J	A	7	M	F	4	G	V	0	93	254	20	1/2" F	1,1
T	Y	7	0	N	1	4	J	A	7	M	F	4	G	V	0	93	501	12	1" F	1,1
T	Y	9	0	N	1	4	J	A	7	M	F	4	G	V	0	93	828	7	1 1/2" F	1,1
T	Y	9	0	N	1	4	J	A	7	M	A	4	G	V	0	200	1771	6	1 1/2" F	1,1
T	Y	7	0	N	2	4	J	A	7	M	D	4	I	V	0	117	865	20	1" F	2,2
T	Y	9	0	N	2	4	J	A	7	M	F	4	I	V	0	93	1200	11	1 1/2" F	2,2
T	Y	C	0	N	2	4	J	A	7	M	F	4	I	V	0	93	2065	7	1 1/2" F	2,2

Test with water @ 20°C @ 50 Hz

Flow rate values with motor at 50Hz. Multiply by 1.2 for 60 Hz

TORK TY - STANDARD Version - RESUME TABLE

Max Pressure [bar] →
 Max Flow Rate [l/h] →
 Max Frequency [stroke/min] →

Connections [BSP] →
 Motor Power [kW] →

2F - STAINLESS STEEL

T	Y	1	2	N	0	2	F	B	7	M	I	6	B	V	0	47	2,7	40	1/4" F	0,18
T	Y	1	5	N	0	2	F	B	7	M	I	4	B	V	0	70	6,5	40	1/4" F	0,18
T	Y	2	0	N	0	2	F	B	7	M	I	4	B	V	0	70	12,3	20	1/2" F	0,18
T	Y	2	5	N	0	2	F	B	7	M	F	4	B	V	0	93	25,0	39	1/4" F	0,18
T	Y	3	5	N	0	2	F	B	7	M	F	4	B	V	0	93	49,0	19	1/4" F	0,18
T	Y	5	0	N	0	2	F	B	7	M	F	4	B	V	0	93	100,2	9	1/2" F	0,18
T	Y	5	0	N	0	2	F	B	7	M	A	4	C	V	0	200	213,4	6	1/2" F	0,25
T	Y	3	0	N	1	2	F	B	7	M	D	4	G	V	0	117	106	40	1/2" F	1,1
T	Y	4	0	N	1	2	F	A	7	M	F	4	G	V	0	93	156	39	3/4" F	1,1
T	Y	5	0	N	1	2	F	A	7	M	F	4	G	V	0	93	254	24	3/4" F	1,1
T	Y	7	0	N	1	2	F	A	7	M	F	4	G	V	0	93	501	12	1" F	1,1
T	Y	9	0	N	1	2	F	A	7	M	F	4	G	V	0	93	828	7	1" F	1,1
T	Y	9	0	N	1	2	F	A	7	M	A	4	G	V	0	200	1771	6	1 1/4" F	1,1
T	Y	7	0	N	2	2	F	A	7	M	D	4	I	V	0	117	865	19	1" F	2,2
T	Y	9	0	N	2	2	F	A	7	M	F	4	I	V	0	93	1200	11	2" F	2,2
T	Y	C	0	N	2	2	F	A	7	M	F	4	I	V	0	93	2065	7	2" F	2,2

TORK TT - STANDARD Version - RESUME TABLE - Up to 120 bar

2F - STAINLESS STEEL

T	T	1	2	N	0	2	F	C	7	M	F	4	B	V	0	93	4,5	120	1/4" F	0,18
T	T	2	0	N	0	2	F	B	7	M	I	4	B	V	0	70	11,7	57	1/4" F	0,18
T	T	1	5	N	1	2	F	B	7	M	D	4	G	V	0	117	26,5	120	1/4" F	1,1
T	T	2	0	N	1	2	F	B	7	M	D	4	G	V	0	117	47,2	120	1/4" F	1,1
T	T	3	0	N	1	2	F	B	7	M	D	4	G	V	0	117	99,0	68	1/2" F	1,1
T	T	2	0	N	2	2	F	B	7	M	D	4	I	V	0	117	70,0	120	1/4" F	2,2
T	T	2	5	N	2	2	F	B	7	M	D	4	I	V	0	117	93,0	120	1/2" F	2,2
T	T	3	5	N	2	2	F	B	7	M	F	4	I	V	0	93	162,5	80	3/4" F	2,2
T	T	3	5	N	2	2	F	B	7	M	D	4	I	V	0	117	201,8	80	3/4" F	2,2

TORK TH - STANDARD Version - RESUME TABLE - Up to 200 bar

2F - STAINLESS STEEL

T	H	1	0	N	1	2	F	B	7	M	D	4	G	V	0	117	10,0	200	1/4" F	1,1
T	H	1	5	N	1	2	F	B	7	M	D	4	G	V	0	117	24,0	200	1/4" F	1,1
T	H	1	5	N	2	2	F	B	7	M	D	4	I	V	0	117	35,2	200	1/4" F	2,2
T	H	2	0	N	2	2	F	B	7	M	D	4	I	V	0	117	67,4	200	1/4" F	2,2

Test with water @ 20°C @ 50 Hz

Flow rate values with motor at 50Hz. Multiply by 1.2 for 60 Hz

TORK TY - ATEX 94/4/CE II 2 G E IIB T4 (for zone 1) - RESUME TABLE

Max Pressure [bar] →
 Max Flow Rate [l/h] →
 Max Frequency [stroke/min] →
 Connections [BSP] →
 Motor Power [kW] →

5B - POLYPROPYLENE

T	Y	1	2	N	0	5	B	B	7	M	I	6	B	V	5	47	2,8	12	1/2" F	0,18
T	Y	1	5	N	0	5	B	B	7	M	I	4	B	V	5	70	6,5	12	1/2" F	0,18
T	Y	2	0	N	0	5	B	B	7	M	I	4	B	V	5	70	12,4	12	1/2" F	0,18
T	Y	2	5	N	0	5	B	B	7	M	F	4	B	V	5	93	25,0	12	1/2" F	0,18
T	Y	3	5	N	0	5	B	B	7	M	F	4	B	V	5	93	49,0	12	1/2" F	0,18
T	Y	5	0	N	0	5	B	B	7	M	F	4	B	V	5	93	100,2	9	1/2" F	0,18
T	Y	5	0	N	0	5	B	B	7	M	A	4	C	V	5	200	213,4	6	1/2" F	0,25
T	Y	3	0	N	1	5	B	A	7	M	D	4	E	V	5	117	113	12	1/2" F	0,55
T	Y	4	0	N	1	5	B	A	7	M	F	4	E	V	5	93	163	12	1/2" F	0,55
T	Y	5	0	N	1	5	B	A	7	M	F	4	E	V	5	93	254	12	1/2" F	0,55
T	Y	7	0	N	1	5	B	A	7	M	F	4	G	V	5	93	501	12	1" F	1,1
T	Y	9	0	N	1	5	B	A	7	M	F	4	G	V	5	93	828	7	1 1/2" F	1,1
T	Y	9	0	N	1	5	B	A	7	M	A	4	G	V	5	200	1771	6	1 1/2" F	1,1
T	Y	7	0	N	2	5	B	A	7	M	D	4	I	V	5	117	865	12	1" F	2,2
T	Y	9	0	N	2	5	B	A	7	M	F	4	I	V	5	93	1200	11	1 1/2" F	2,2
T	Y	C	0	N	2	5	B	A	7	M	F	4	I	V	5	93	2065	7	1 1/2" F	2,2

4J - PVDF

T	Y	1	2	N	0	4	J	B	7	M	I	6	B	V	5	47	2,8	20	1/2" F	0,18
T	Y	1	5	N	0	4	J	B	7	M	I	4	B	V	5	70	6,5	20	1/2" F	0,18
T	Y	2	0	N	0	4	J	B	7	M	I	4	B	V	5	70	12,3	20	1/2" F	0,18
T	Y	2	5	N	0	4	J	B	7	M	F	4	B	V	5	93	25,0	20	1/2" F	0,18
T	Y	3	5	N	0	4	J	B	7	M	F	4	B	V	5	93	49,0	19	1/2" F	0,18
T	Y	5	0	N	0	4	J	B	7	M	F	4	B	V	5	93	100,2	9	1/2" F	0,18
T	Y	5	0	N	0	4	J	B	7	M	A	4	C	V	5	200	213,4	6	1/2" F	0,25
T	Y	3	0	N	1	4	J	A	7	M	D	4	E	V	5	117	111	20	1/2" F	0,55
T	Y	4	0	N	1	4	J	A	7	M	F	4	G	V	5	93	161	12	1/2" F	1,1
T	Y	5	0	N	1	4	J	A	7	M	F	4	G	V	5	93	254	20	1/2" F	1,1
T	Y	7	0	N	1	4	J	A	7	M	F	4	G	V	5	93	501	12	1" F	1,1
T	Y	9	0	N	1	4	J	A	7	M	F	4	G	V	5	93	828	7	1 1/2" F	1,1
T	Y	9	0	N	1	4	J	A	7	M	A	4	G	V	5	200	1771	6	1 1/2" F	1,1
T	Y	7	0	N	2	4	J	A	7	M	D	4	I	V	5	117	865	20	1" F	2,2
T	Y	9	0	N	2	4	J	A	7	M	F	4	I	V	5	93	1200	11	1 1/2" F	2,2
T	Y	C	0	N	2	4	J	A	7	M	F	4	I	V	5	93	2065	7	1 1/2" F	2,2

Test with water @ 20°C @ 50 Hz

Flow rate values with motor at 50Hz. Multiply by 1.2 for 60 Hz

TORK TY - ATEX 94/4/CE II 2 G E IIB T4 (for zone 1) - RESUME TABLE

Max Pressure [bar] →
 Max Flow Rate [l/h] →
 Max Frequency [stroke/min] →
 Connections [BSP] →
 Motor Power [kW] →

2F - STAINLESS STEEL

T	Y	1	2	N	0	2	F	B	7	M	I	6	B	V	5	47	2,7	40	1/4" F	0,18
T	Y	1	5	N	0	2	F	B	7	M	I	4	B	V	5	70	6,5	40	1/4" F	0,18
T	Y	2	0	N	0	2	F	B	7	M	I	4	B	V	5	70	12,3	20	1/2" F	0,18
T	Y	2	5	N	0	2	F	B	7	M	F	4	B	V	5	93	25,0	39	1/4" F	0,18
T	Y	3	5	N	0	2	F	B	7	M	F	4	B	V	5	93	49,0	19	1/4" F	0,18
T	Y	5	0	N	0	2	F	B	7	M	F	4	B	V	5	93	100,2	9	1/2" F	0,18
T	Y	5	0	N	0	2	F	B	7	M	A	4	C	V	5	200	213,4	6	1/2" F	0,25
T	Y	3	0	N	1	2	F	B	7	M	D	4	G	V	5	117	106	40	1/2" F	1,1
T	Y	4	0	N	1	2	F	A	7	M	F	4	G	V	5	93	156	39	3/4" F	1,1
T	Y	5	0	N	1	2	F	A	7	M	F	4	G	V	5	93	254	24	3/4" F	1,1
T	Y	7	0	N	1	2	F	A	7	M	F	4	G	V	5	93	501	12	1" F	1,1
T	Y	9	0	N	1	2	F	A	7	M	F	4	G	V	5	93	828	7	1" F	1,1
T	Y	9	0	N	1	2	F	A	7	M	A	4	G	V	5	200	1771	6	1 1/4" F	1,1
T	Y	7	0	N	2	2	F	A	7	M	D	4	I	V	5	117	865	19	1" F	2,2
T	Y	9	0	N	2	2	F	A	7	M	F	4	I	V	5	93	1200	11	2" F	2,2
T	Y	C	0	N	2	2	F	A	7	M	F	4	I	V	5	93	2065	7	2" F	2,2

TORK TT - ATEX 94/4/CE II 2 G E IIB T4 (for zone 1) - RESUME TABLE - Up to 120 bar

2F - STAINLESS STEEL

T	T	1	2	N	0	2	F	C	7	M	F	4	B	V	5	93	4,5	120	1/4" F	0,18
T	T	2	0	N	0	2	F	B	7	M	I	4	B	V	5	70	11,7	57	1/4" F	0,18
T	T	1	5	N	1	2	F	B	7	M	D	4	G	V	5	117	26,5	120	1/4" F	1,1
T	T	2	0	N	1	2	F	B	7	M	D	4	G	V	5	117	47,2	120	1/4" F	1,1
T	T	3	0	N	1	2	F	B	7	M	D	4	G	V	5	117	99,0	68	1/2" F	1,1
T	T	2	0	N	2	2	F	B	7	M	D	4	I	V	5	117	70,0	120	1/4" F	2,2
T	T	2	5	N	2	2	F	B	7	M	D	4	I	V	5	117	93,0	120	1/2" F	2,2
T	T	3	5	N	2	2	F	B	7	M	F	4	I	V	5	93	162,5	80	3/4" F	2,2
T	T	3	5	N	2	2	F	B	7	M	D	4	I	V	5	117	201,8	80	3/4" F	2,2

TORK TH - ATEX 94/4/CE II 2 G E IIB T4 (for zone 1) - RESUME TABLE - Up to 200 bar

2F - STAINLESS STEEL

T	H	1	0	N	1	2	F	B	7	M	D	4	G	V	5	117	10,0	200	1/4" F	1,1
T	H	1	5	N	1	2	F	B	7	M	D	4	G	V	5	117	24,0	200	1/4" F	1,1
T	H	1	5	N	2	2	F	B	7	M	D	4	I	V	5	117	35,2	200	1/4" F	2,2
T	H	2	0	N	2	2	F	B	7	M	D	4	I	V	5	117	67,4	200	1/4" F	2,2

Test with water @ 20°C @ 50 Hz

Flow rate values with motor at 50Hz. Multiply by 1.2 for 60 Hz

STARK Series



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STARK Series - Standard Version

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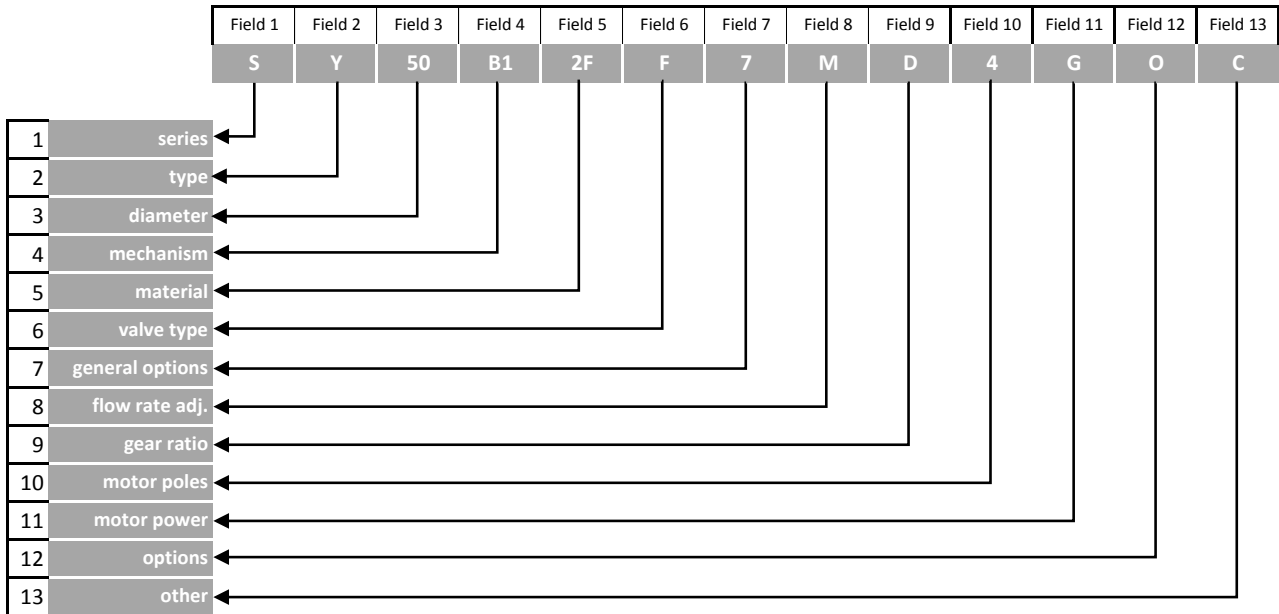
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STARK - CODYFING SYSTEM



Field 1	model	S STARK
----------------	--------------	----------------

Field 2	type	C Hydraulic Single Diaphragm <i>up to 124 bar</i>
----------------	-------------	---

Field 3	diameter	mm	for mechanism
12	12	B0	
15	15	B1	
20	20	B0 B1	
30	30	B0 B1	
35	35	B0	
40	40	B1	
50	50	B1	

Field 4	mechanism	<i>stroke length [mm]</i>
	B0	10
	B1	25

Field 5	material	head	diaphragm	ball	valve seal	valve seat
5B	PP	PTFE	ceramic	FPM	PVDF	
4J	PVDF	PTFE	ceramic	FPM	PVDF	
2F	316L	PTFE	316L	316L	316L	
0Q	PVC-U	PTFE	Ceramic	FPM	FPM	

STARK - CODYFING SYSTEM

Field 6	valve type	
	A	SINGLE ball
	B	DOUBLE balls
	F	Wing
Field 7	general options	
	7	STANDARD execution
	F	Flanged Connections
Field 8	flow rate adj.	
	M	manual
	E	electric actuator
Field 9	gear ratio	
	D	1:12
	F	1:15
	I	1:20
	L	1:25
Field 10	poles / phases	
	2	2 / 3
	4	4 / 3
	6	6 / 3
Field 11	motor power	<i>kW</i>
	O	WITHOUT motor
	B	0,18
	C	0,25
	F	0,75
	G	1,1
	H	1,5
Field 12	head options	
	O	STANDARD
Field 13	other	
	C	STANDARD execution

STARK - RESUME TABLE

Max Pressure [bar] →
 Max Flow Rate [l/h] →
 Max Frequency [stroke/min] →
 Connections [BSP] →
 Motor Power [kW] →

5B - POLYPROPYLENE

S	C	1	2	B	0	5	B	B	7	M	L	2	B	O	C	112	6,0	15	1/2" F	0,18
S	C	1	2	B	0	5	B	B	7	M	I	2	B	O	C	140	8,0	15	1/2" F	0,18
S	C	1	2	B	0	5	B	B	7	M	F	2	C	O	C	186	11,0	15	1/2" F	0,25
S	C	2	0	B	0	5	B	B	7	M	I	4	B	O	C	70	12,0	15	1/2" F	0,18
S	C	2	0	B	0	5	B	B	7	M	L	2	B	O	C	112	18	15	1/2" F	0,18
S	C	2	0	B	0	5	B	B	7	M	F	2	C	O	C	186	29	15	1/2" F	0,25
S	C	3	0	B	0	5	B	B	7	M	F	4	B	O	C	93	34	15	1/2" F	0,18
S	C	3	0	B	0	5	B	B	7	M	I	2	B	O	C	140	52	15	1/2" F	0,18
S	C	3	5	B	0	5	B	B	7	M	I	2	B	O	C	140	76	15	1/2" F	0,18
S	C	3	5	B	0	5	B	B	7	M	F	2	C	O	C	186	97	15	1/2" F	0,25
S	C	3	0	B	1	5	B	A	7	M	D	4	G	O	C	117	110	15	1/2" F	1,10
S	C	3	0	B	1	5	B	A	7	M	F	2	H	O	C	186	175	15	1/2" F	1,50
S	C	4	0	B	1	5	B	A	7	M	D	6	F	O	C	78	130	15	1/2" F	0,75
S	C	4	0	B	1	5	B	A	7	M	D	4	G	O	C	117	200	15	1/2" F	1,10
S	C	4	0	B	1	5	B	A	7	M	D	2	H	O	C	235	420	15	1/2" F	1,50
S	C	5	0	B	1	5	B	A	7	M	F	4	G	O	C	93	228	15	1/2" F	1,10
S	C	5	0	B	1	5	B	A	7	M	D	4	G	O	C	117	300	15	1/2" F	1,10
S	C	5	0	B	1	5	B	A	7	M	F	2	H	O	C	186	500	15	1/2" F	1,50
S	C	5	0	B	1	5	B	A	7	M	D	2	H	O	C	235	650	15	1/2" F	1,50

0Q - PVC

S	C	1	2	B	0	0	Q	B	7	M	L	2	B	O	C	112	6,0	15	1/2" F	0,18
S	C	1	2	B	0	0	Q	B	7	M	I	2	B	O	C	140	8,0	15	1/2" F	0,18
S	C	1	2	B	0	0	Q	B	7	M	F	2	C	O	C	186	11,0	15	1/2" F	0,25
S	C	2	0	B	0	0	Q	B	7	M	I	4	B	O	C	70	12,0	15	1/2" F	0,18
S	C	2	0	B	0	0	Q	B	7	M	L	2	B	O	C	112	18,0	15	1/2" F	0,18
S	C	2	0	B	0	0	Q	B	7	M	F	2	C	O	C	186	29,0	15	1/2" F	0,25
S	C	3	0	B	0	0	Q	B	7	M	F	4	B	O	C	93	34,0	15	1/2" F	0,18
S	C	3	0	B	0	0	Q	B	7	M	I	2	B	O	C	140	52,0	15	1/2" F	0,18
S	C	3	5	B	0	0	Q	B	7	M	I	2	B	O	C	140	76,0	15	1/2" F	0,18
S	C	3	5	B	0	0	Q	B	7	M	F	2	C	O	C	186	97,0	15	1/2" F	0,25
S	C	3	0	B	1	0	Q	A	7	M	D	4	G	O	C	117	110	15	1/2" F	1,10
S	C	3	0	B	1	0	Q	A	7	M	F	2	H	O	C	186	175	15	1/2" F	1,50
S	C	4	0	B	1	0	Q	A	7	M	D	6	F	O	C	78	130	15	1/2" F	0,75
S	C	4	0	B	1	0	Q	A	7	M	D	4	G	O	C	117	200	15	1/2" F	1,10
S	C	4	0	B	1	0	Q	A	7	M	D	2	H	O	C	235	420	15	1/2" F	1,50
S	C	5	0	B	1	0	Q	A	7	M	F	4	G	O	C	93	228	15	1/2" F	1,10
S	C	5	0	B	1	0	Q	A	7	M	D	4	G	O	C	117	300	15	1/2" F	1,10
S	C	5	0	B	1	0	Q	A	7	M	F	2	H	O	C	186	500	15	1/2" F	1,50
S	C	5	0	B	1	0	Q	A	7	M	D	2	H	O	C	235	650	15	1/2" F	1,50

Test with water @ 20°C @ 50 Hz - Flow rate values with motor at 50Hz. Multiply by 1.2 for 60 Hz

Models with short delivery

STARK - RESUME TABLE

Max Pressure [bar] —————
 Max Flow Rate [l/h] —————
 Max Frequency [stroke/min] —————

Connections [BSP] —————
 Motor Power [kW] —————

4J - PVDF														Max Pressure [bar]	Max Flow Rate [l/h]	Max Frequency [stroke/min]	Connections [BSP]	Motor Power [kW]		
S	C	1	2	B	0	4	J	B	7	M	L	2	B	O	C	112	6	20	1/2" F	0,18
S	C	1	2	B	0	4	J	B	7	M	I	2	B	O	C	140	8	20	1/2" F	0,18
S	C	1	2	B	0	4	J	B	7	M	F	2	C	O	C	186	11	20	1/2" F	0,25
S	C	2	0	B	0	4	J	B	7	M	I	4	B	O	C	70	12	20	1/2" F	0,18
S	C	2	0	B	0	4	J	B	7	M	L	2	B	O	C	112	18	20	1/2" F	0,18
S	C	2	0	B	0	4	J	B	7	M	F	2	C	O	C	186	29	20	1/2" F	0,25
S	C	3	0	B	0	4	J	B	7	M	F	4	B	O	C	93	34	20	1/2" F	0,18
S	C	3	0	B	0	4	J	B	7	M	I	2	B	O	C	140	52	20	1/2" F	0,18
S	C	3	5	B	0	4	J	B	7	M	I	2	B	O	C	140	76	20	1/2" F	0,18
S	C	3	5	B	0	4	J	B	7	M	F	2	C	O	C	186	97	20	1/2" F	0,25
S	C	3	0	B	1	4	J	A	7	M	D	4	G	O	C	117	110	20	1/2" F	1,10
S	C	3	0	B	1	4	J	A	7	M	F	2	H	O	C	186	170	20	1/2" F	1,50
S	C	4	0	B	1	4	J	A	7	M	D	6	F	O	C	78	125	20	1/2" F	0,75
S	C	4	0	B	1	4	J	A	7	M	D	4	G	O	C	117	200	20	1/2" F	1,10
S	C	4	0	B	1	4	J	A	7	M	D	2	H	O	C	235	415	20	1/2" F	1,50
S	C	5	0	B	1	4	J	A	7	M	F	4	G	O	C	93	225	20	1/2" F	1,10
S	C	5	0	B	1	4	J	A	7	M	D	4	G	O	C	117	295	20	1/2" F	1,10
S	C	5	0	B	1	4	J	A	7	M	F	2	H	O	C	186	500	20	1/2" F	1,50
S	C	5	0	B	1	4	J	A	7	M	D	2	H	O	C	235	640	20	1/2" F	1,50

Test with water @ 20°C @ 50 Hz - Flow rate values with motor at 50Hz. Multiply by 1.2 for 60 Hz

Models with short delivery

STARK - RESUME TABLE

Max Pressure [bar] →
 Max Flow Rate [l/h] →
 Max Frequency [stroke/min] →

Connections [BSP] →
 Motor Power [kW] →

2F - SS 316														Max Pressure [bar]	Max Flow Rate [l/h]	Max Frequency [stroke/min]	Connections [BSP]	Motor Power [kW]		
S	C	1	2	B	0	2	F	B	7	M	L	2	B	O	C	112	3	124	1/2" F	0,18
S	C	1	2	B	0	2	F	B	7	M	I	2	B	O	C	140	4	124	1/2" F	0,18
S	C	1	2	B	0	2	F	B	7	M	F	2	C	O	C	186	6	124	1/2" F	0,25
S	C	2	0	B	0	2	F	A	7	M	I	4	B	O	C	70	9	40	1/2" F	0,18
S	C	2	0	B	0	2	F	A	7	M	L	2	B	O	C	112	15	40	1/2" F	0,18
S	C	2	0	B	0	2	F	A	7	M	F	2	C	O	C	186	25	40	1/2" F	0,25
S	C	3	0	B	0	2	F	A	7	M	F	4	B	O	C	93	27	27	1/2" F	0,18
S	C	3	0	B	0	2	F	A	7	M	I	2	B	O	C	140	46	27	1/2" F	0,18
S	C	3	5	B	0	2	F	A	7	M	I	2	B	O	C	140	64	20	1/2" F	0,18
S	C	3	5	B	0	2	F	A	7	M	F	2	C	O	C	186	86	20	1/2" F	0,25
S	C	1	5	B	1	2	F	B	7	M	F	4	G	O	C	93	18	124	1/4" F	1,10
S	C	2	0	B	1	2	F	B	7	M	F	4	G	O	C	93	35	124	1/4" F	1,10
S	C	2	0	B	1	2	F	B	7	M	D	4	G	O	C	117	44	124	1/4" F	1,10
S	C	2	0	B	1	2	F	B	7	M	D	2	H	O	C	235	90	124	1/4" F	1,50
S	C	3	0	B	1	2	F	A	7	M	F	6	F	O	C	62	63	68	3/4" F	0,75
S	C	3	0	B	1	2	F	A	7	M	D	4	G	O	C	117	110	68	3/4" F	1,10
S	C	3	0	B	1	2	F	A	7	M	F	2	H	O	C	186	170	68	3/4" F	1,50
S	C	4	0	B	1	2	F	A	7	M	D	6	F	O	C	78	130	35	3/4" F	0,75
S	C	4	0	B	1	2	F	A	7	M	D	4	G	O	C	117	200	35	3/4" F	1,10
S	C	4	0	B	1	2	F	A	7	M	F	2	H	O	C	186	330	35	3/4" F	1,50
S	C	4	0	B	1	2	F	A	7	M	D	2	H	O	C	235	420	35	3/4" F	1,50
S	C	5	0	B	1	2	F	A	7	M	F	6	F	O	C	62	150	24	3/4" F	0,75
S	C	5	0	B	1	2	F	A	7	M	F	4	G	O	C	93	240	24	3/4" F	1,10
S	C	5	0	B	1	2	F	F	7	M	D	4	G	O	C	117	310	24	1" F	1,10
S	C	5	0	B	1	2	F	F	7	M	F	2	H	O	C	186	510	24	1" F	1,50
S	C	5	0	B	1	2	F	F	7	M	D	2	H	O	C	235	660	24	1" F	1,50

Test with water @ 20°C @ 50 Hz - Flow rate values with motor at 50Hz. Multiply by 1.2 for 60 Hz

Models with short delivery

SPRING Series

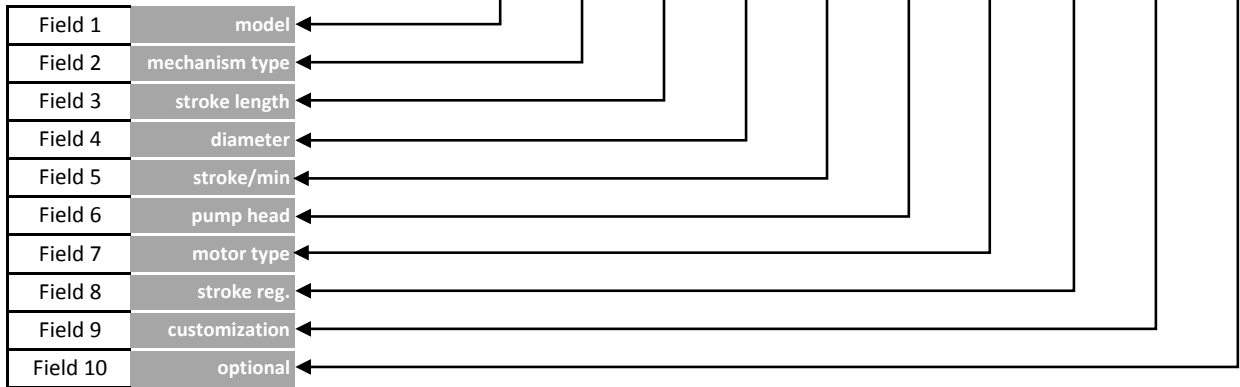


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SPRING - CODYFING SYSTEM

Field 1	Field 2	Field 3	Field 4	Field 5	Field 6	Field 7	Field 8	Field 9	Field 10
P	S1	D	025	C	21	A4	0	0	0



Field 1	model	
	P	plunger piston
	M	mechanical diaphragm

Field 2	type	
	S0	S0 diaphragm
	S1	S1 diaphragm / piston
	S2	S2 piston
	S4	S4 diaphragm

Field 3	stroke length	mm	
	A	2	
	B	4	
	C	6	
	D	15	
	E	25	
	F	5	

Field 4	diameter	piston [mm]	
	006	6	
	011	11	
	017	17	
	025	25	
	030	30	
	038	38	
	048	48	
	054	54	
	064	64	
	076	76	
	089	89	

SPRING - CODYFING SYSTEM

Field 4	diameter	diaphragm [mm]
	050	50
	064	64
	094	94
	108	108
	138	138
	165	165
	210	210

Field 5	stroke/min.	
	A	58
	B	78
	C	116
	E	41
	F	82
	G	164
	H	156
	Q	232

Field 6	pump head PISTON	STANDARD Execution - other version on page 45				
		head	piston	piston seal	valve	valve seat
	21	SS316	SS316	FPM	SS316	SS316
	31	PVC	Ceramic	FPM	Ceramic	PTFE

Field 6	pump head DIAPHRAGM	STANDARD Execution - other version on page 45				
		head	diaphragm	valve	valve seat	O-Ring
	21	SS316	PTFE	SS316	SS316	FPM
	31	PVC	PTFE	Ceramic	PTFE	FPM
	51	PP	PTFE	Ceramic	PTFE	FPM

Field 7	motor type	kW	supply	frequency	phase	size
	A4	0,18	230/400 Vac	50/60 Hz	3	63-B14
	B4	0,25	230/400 Vac	50/60 Hz	3	71-B14
	C4	0,37	230/400 Vac	50/60 Hz	3	71-B14
	D4	0,55	230/400 Vac	50/60 Hz	3	80-B14
	E4	0,75	230/400 Vac	50/60 Hz	3	80-B14
	F4	0,09	230/400 Vac	50/60 Hz	3	56-B14
	P4	1,1	230/400 Vac	50/60 Hz	3	90-B14
	Q4	1,1	230/400 Vac	50/60 Hz	3	90S-B5
	T4	0,25	230/400 Vac	50/60 Hz	3	71-B5
	U4	0,37	230/400 Vac	50/60 Hz	3	71-B5
	F2	0,09	230/400 Vac	50/60 Hz	3	56-B14
	K2	0,75	230/400 Vac	50/60 Hz	3	80-B5
	W2	0,55	230/400 Vac	50/60 Hz	3	71-B14

CAUTION:	Using the 60 Hz 3phases motor the performances of the pumps will suffer the following variations: Pressure: -20% - Flow Rate: +20%
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SPRING - CODYFING SYSTEM

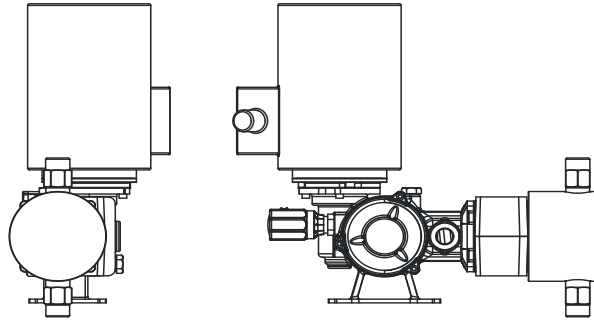
Field 7	motor type	kW	supply	frequency	phase	size
	G4	0,18	230 Vac	50 Hz	1	63-B14
	H4	0,25	230 Vac	50 Hz	1	71-B14
	I4	0,37	230 Vac	50 Hz	1	71-B14
	L4	0,55	230 Vac	50 Hz	1	80-B14
	N4	1,1	230 Vac	50 Hz	1	80-B14
	<i>with BREAKER TORQUE</i>					
	O4	0,09	230 Vac	50 Hz	1	90-B14
	R4	0,09	230 Vac	50 Hz	1	90S-B5
	V4	0,25	230 Vac	50 Hz	1	71-B5
	Z4	0,37	230 Vac	50 Hz	1	71-B5
	O2	0,09	230 Vac	60 Hz	1	56-B14
	Y2	0,75	230 Vac	50 Hz	1	71-B14
	C0	0,37	12 Vdc			71-B14
	S0	<i>without motor</i>				

Field 8	stroke reg.
	0 manual
	L Automatic Linear SEKO

Field 9	customization
	0 standard
	H High Pressure

Field 10	optional
	0 standard
	A AV System[®] (Assisted Vacuum)
	2 (S0 - without motor) + adapter kit
	S serv ventilated motor
	V High Viscosity

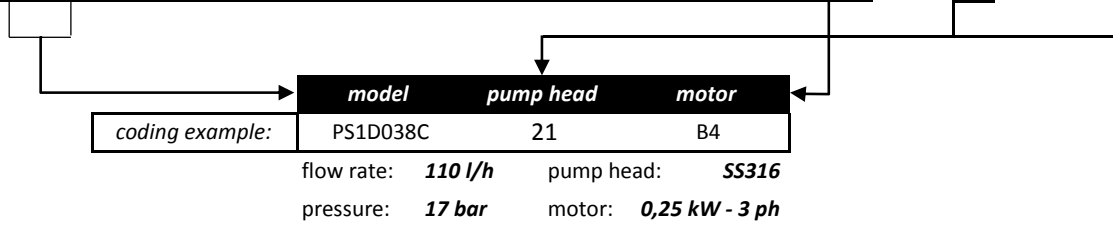
PISTON - PS1 Series (stroke length: 15 mm) - RESUME TABLE



model	diameter	stroke /min.	flow rate [l/h]	max backpressure				connections		motor 3ph kW	
				bar		psi		SS316	PVC		
				SS316	PVC	SS316	PVC				
PS1D006	A	6	58	1,5	20	10	290	145	1/4" Gf	1/4" Gf	0,18 (A4)
	C		116	3,0							
PS1D011	A	11	58	5,0	20	10*	290	145*	1/4" Gf	1/4" Gf	0,18 (A4)
	C		116	10,0							
PS1D017	A	17	58	11,0	20	10*	290	145*	3/8" Gf	3/8" Gf	0,18 (A4)
	C		116	22,0							
PS1D025	A	25	58	25,0	20	10*	290	145*	3/8" Gf	3/8" Gf	0,18 (A4)
	C		116	50,0							
PS1D030	A	30	58	35,0	20	10*	290	145*	3/8" Gf	3/8" Gf	0,25 (B4)
	C		116	70,0							
PS1D038	A	38	58	55,0	17	10*	246	145*	3/8" Gf	3/8" Gf	0,25 (B4)
	C		116	110,0							
PS1D048	A	48	58	85,0	10	10	145	145	1/2" Gf	1/2" Gf	0,25 (B4)
	C		116	170,0							
PS1D054	A	54	58	110,0	8	8	116	116	1/2" Gf	1/2" Gf	0,25 (B4)
	C		116	220,0							
PS1D064	A	64	58	152,0	6	4	87	58	3/4" Gf	3/4" Gf	0,25 (B4)
	C		116	304,0							

Pumps normally in stock are in bold character in standard execution

SS316 [21]	PVC [31]
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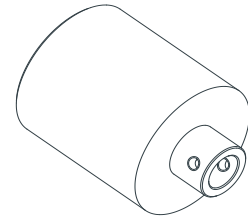
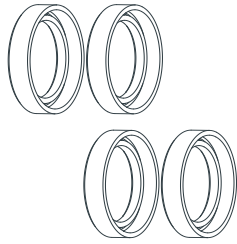


coding example: **PS1D038C 21 B4**
 flow rate: **110 l/h** pump head: **SS316**
 pressure: **17 bar** motor: **0,25 kW - 3 ph**

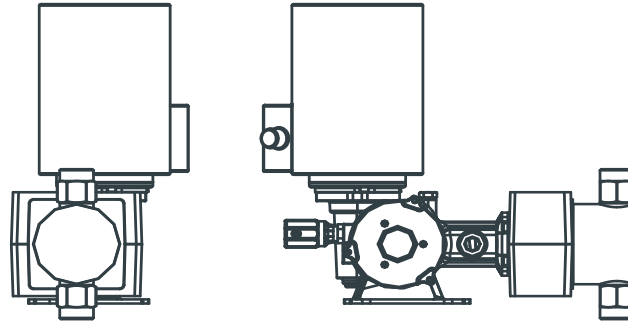
(*) Available with special **enforced pump head** for use with pressures up to 20 bar.
 For the price list refer to "Extra cost" page.

SUGGESTED Spare Parts - for working 2 years

- n.2 complete kit piston seals
- n.1 suction valve
- n.1 delivery valve
- n.1 piston



PISTON - PS2 Series (stroke length: 25 mm) - RESUME TABLE



model	diameter	stroke /min.	flow rate [l/h]	max backpressure				connections		motor 3ph kW	
				bar		psi		SS316	PVC		
				SS316	PVC	SS316	PVC				
PS2E025	A	25	58	40	20	10	290	145	3/8" Gf	3/8" Gf	0,25 (T4)
	C		116	80							
PS2E030	A	30	58	55	20	10	290	145	3/8" Gf	3/8" Gf	0,25 (T4)
	C		116	112							
PS2E038	A	38	58	90	20	10*	290	145*	1/2" Gf	3/8" Gf	0,37 (U4)
	C		116	180							
PS2E048	A	48	58	140	20	10	290	145	1/2" Gf	1/2" Gf	0,55 (D4)
	C		116	284							
PS2E054	A	54	58	180	15	10	217	145	1/2" Gf	1/2" Gf	0,55 (D4)
	C		116	365							
PS2E064	A	64	58	250	10	10	145	145	3/4" Gf	3/4" Gf	0,75 (E4)
	C		116	505							
PS2E076	A	76	58	365	7	7	101	101	1" Gf	1" Gf	0,75 (E4)
	C		116	730							
PS2E089	A	89	58	495	5	5	72	72	1" Gf	1" Gf	0,75 (E4)
	C		116	1000							

Pumps normally in stock are in bold character in standard execution

SS316 [21]	PVC [31]
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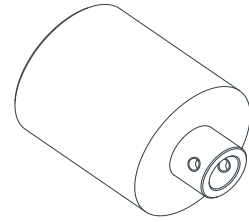
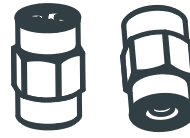
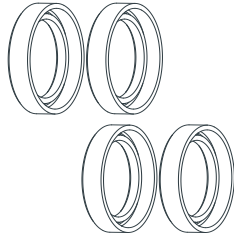
	model	pump head	motor
coding example:	PS2E064C	21	E4

flow rate: **505 l/h** pump head: **SS316**
 pressure: **10 bar** motor: **0,75 kW - 3 ph**

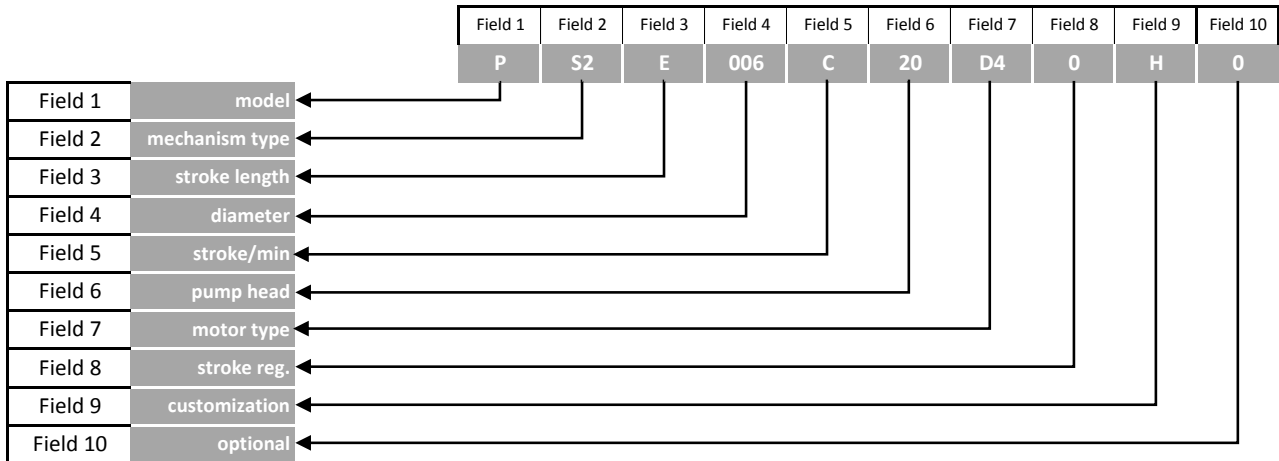
(*) Available with special **enforced pump head** for use with pressures up to 20 bar.
 For the price list refer to "Extra cost" page.

SUGGESTED Spare Parts - *for working 2 years*

- n.2 complete kit piston seals
- n.1 suction valve
- n.1 delivery valve
- n.1 piston



SPRING_HP - CODYFING SYSTEM



Field 1	model	P plunger piston
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Field 2	type	S2 S2 piston
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Field 3	stroke length	mm E 25
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Field 4	diameter	piston [mm] 006 6 010 10
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Field 5	stroke/min.	A 58 C 116
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Field 7	pump head	<i>head</i>	<i>piston</i>	<i>valve</i>	<i>valve seat</i>	<i>valve seal</i>	<i>piston seal</i>
	20	SS316L	SS316L	SS316L	SS316L	PTFE	NBR + PTFE

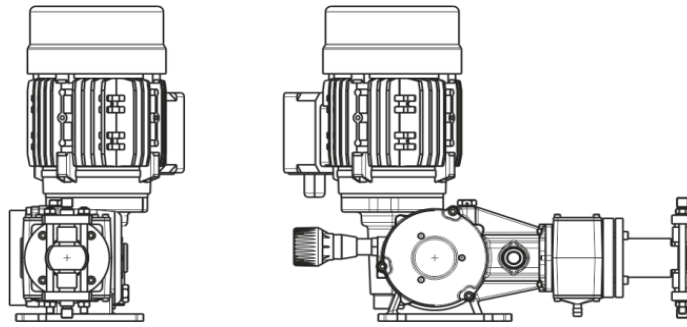
Field 6	motor type	<i>kW</i>	<i>supply</i>	<i>frequency</i>	<i>phases</i>	<i>size</i>
	D4	0,55	230/400 Vac	50/60 Hz	3	80-B14
	S0	without motor				

Field 8	stroke reg.	0 manual L Automatic Linear SEKO
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Field 9	customization	H High Pressure
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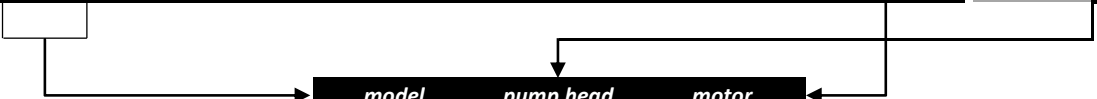
Field 10	optional	0 standard 2 (S0 - without motor) + adapter kit
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PS2_HP Series (stroke length: 25 mm) - RESUME TABLE



model	diameter	stroke /min.	flow rate [l/h]	max backpressure		connections	motor 50/60 Hz - 3ph [kW]	
				bar	psi			
PS2E006	A	6	58	2,5	100	1450	1/4" Gm	0,55 (D4)
	C		116					
PS2E010	A	10	58	6,0	100	1450	1/4" Gm	0,55 (D4)
	C		116					

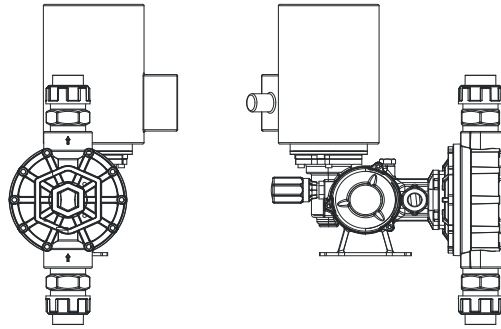
SS316L [20]



	model	pump head	motor
coding example:	PS2E006C	20	D4

flow rate: **5 l/h** pump head: **SS316L**
 pressure: **100 bar** motor: **0,55 kW - 3 ph**

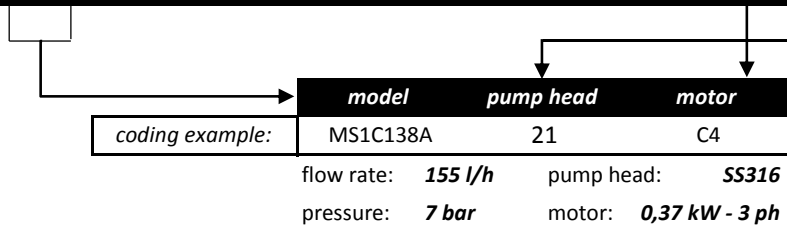
DIAPHRAGM - MS1 Series (stroke length: 2 -4 -6 mm) - RESUME TABLE



model	diameter	stroke /min.	flow rate [l/h]	max backpressure				connect. all type	motor 3ph kW	
				bar		psi				
				SS316	PVC	SS316	PVC			
MS1A064	A	64	58	5,5	16	10*	232	145*	1/4" Gf	0,18 (A4)
	B		78	8,0						
	C		116	11,0						
MS1A094	A	94	58	20,0	16	10*	232	145*	3/8" Gf	0,25 (B4)
	B		78	26,0						
	C		116	40,0						
MS1B108	A	108	58	60,0	10	10	145	145	3/8" Gf	0,37 (C4)
	B		78	80,0						
	C		116	120						
MS1C138	A	138	58	155,0	7	7	101	101	3/4" Gf	0,37 (C4)
	B		78	220,0					1" Gf	
	C		116	310						
MS1C165	A	165	58	230,0	5	5	72	72	1" Gf	0,37 (C4)
	B		78	330,0						
	C		116	500,0						

Pumps normally in stock are in bold character in standard execution

SS316 [21]	PVC [31]	PP [51]
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(* Available with special **enforced pump head** for use with pressures up to 16 bar. For the price list refer to "Extra cost" page.

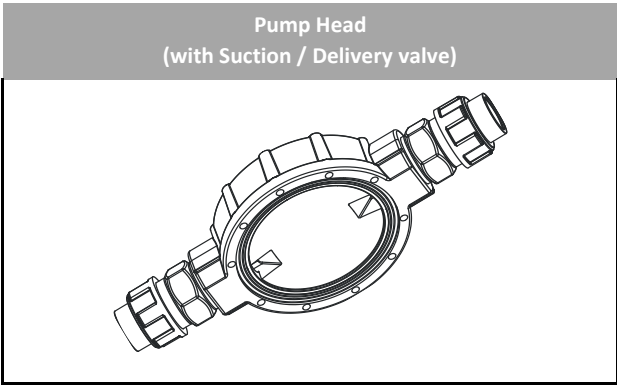
DIAPHRAGM - MS1 AVS® Series - RESUME TABLE

model	diameter	stroke /min.	flow rate [l/h]	max backpressure		connect. all type	motor		
				SS316 - PVC - PP			3ph kW	1ph kW	
				bar	psi				
MS1C138	H	138	156	450	4,5	65	1" Gf	0,55 (W2)	0,75 (Y2)
	Q		232	750					
MS1C165	Q	165	232	1200	2	29			

SS316 [21]	PVC [31]	PP [51]
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MECHANICAL DIAPHRAGM PUMPS - RECOMMEND Spare Parts



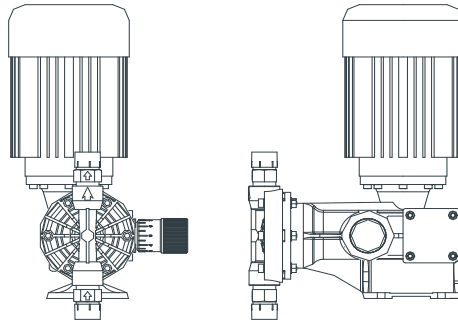
Diaphragm	SS316 Valves Suction / Delivery	PVC Valves Suction / Delivery

SUGGESTED Spare Parts
for working 2 years *

- n.1 suction valve
- n.1 delivery valve
- n.1 diaphragm

* For pumps with fittings for High Pressure
is suggested to replace the membrane
every 6 months

DIAPHRAGM - MSO Series (stroke length: 5 mm) - RESUME TABLE



model	diameter	stroke /min.	flow rate [l/h]	max backpressure		connections		motor 3ph kW
				bar	psi	SS316	PVC / PP	
MSOF050	E	50	41	5	72	1/2" Gm	3/4" Gm	0,09 (F4)
	A		58					
	F		82					
	C		116					
G	164	60,0					0,09 (F2)	

Pumps normally in stock are in bold character in standard execution

SS316	PVC	PP
[21]	[31]	[51]

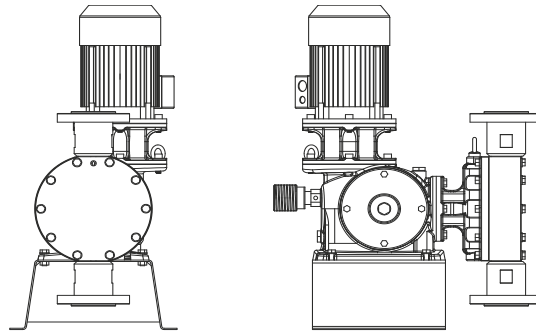
	model	pump head	motor
coding example:	MSOF050A	31	F4

flow rate: **23 l/h** pump head: **SS316**
 pressure: **5 bar** motor: **0,09 kW - 3 ph**

DIAPHRAGM - MSO Series (stroke length: 5 mm) - SPARE PARTS

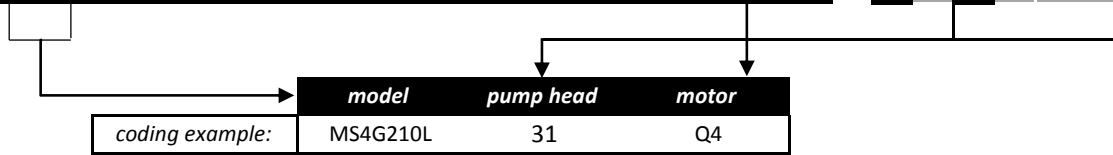
description	material	code
Diaphragm	PTFE	SPR99106009
Suction Valves	SS	SPR99106012
	PVC	EM99070077
	PP	SPR99106010
Delivery Valves	SS	SPR99106013
	PVC	EM99070078
	PP	SPR99106011
Pump Head (with Valves)	SS	SPR99106014
	PVC	SPR99106035
	PP	SPR99106015
Motor 0,09 kw 230/400 Vac, 50/60 Hz 3phases		SPR0104007
Motor 0,09 kw 230 Vac, 50 Hz 1phase		SPR0104008

DIAPHRAGM - MS4 Series (stroke length: 10 - 20 mm) - RESUME TABLE



model	diameter	stroke /min.	flow rate [l/h]	max backpressure		connections	motor 3ph Kw	
				bar	psi			
MS4H210	L	210	93	800	4	58	DN50 - PN10 RF GB9119-2000	1,1 (Q4)
	C		116					
MS4G210	L	210	93	1600	4	58	DN50 - PN10 RF GB9119-2000	1,1 (Q4)
	C		116					

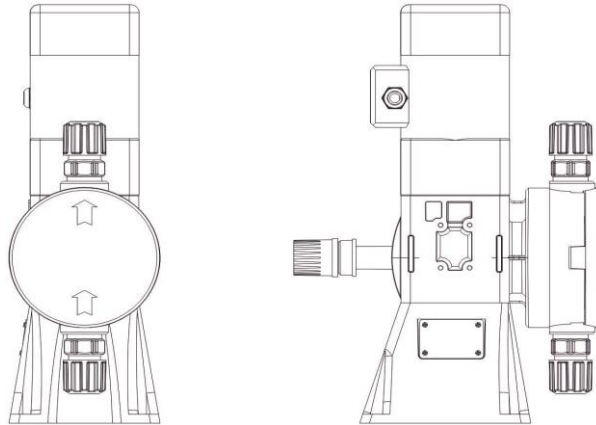
SS316 [21]	PVC [31]
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	model	pump head	motor
coding example:	MS4G210L	31	Q4

flow rate: **800 l/h** pump head: **PVC**
 pressure: **4** motor: **1,1 kW - 3 ph**

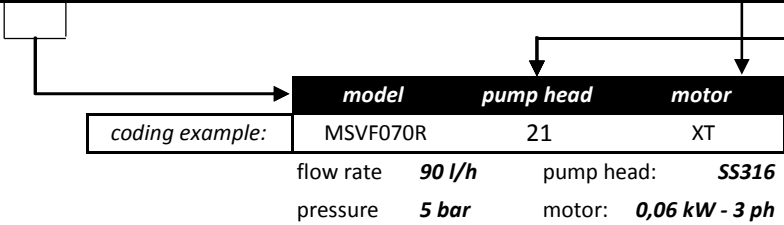
DIAPHRAGM - MSV Series - RESUME TABLE



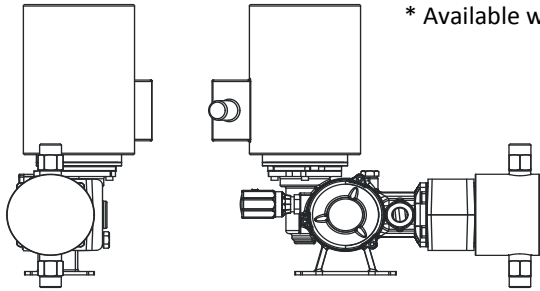
model		stroke [mm]	diameter [mm]	stroke /min.	flow rate [l/h]	max backpressure		connections		motor 0,06 kW	
						bar	psi	SS316	PVDF	3ph	1ph
MSV	I	4,2	70	26	10,0	5	72,5	1/2" G/f	8x12	XT 380Vac	XD 230Vac
				43	20,0	5	72,5				
				86	40,0	5	72,5				
				130	60,0	5	72,5				
	F	5	144	90,0	5	72,5					
	H	6,8	144	120,0	3	43,5					

Pumps normally in stock are in bold character

SS316 [21 / 24]	PVDF [41 / 44]
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PISTON - PS1 Series - 12 Vdc - RESUME TABLE



* Available with **special enforced pump head** for use with pressures up to **16 bar**.

WARNING!

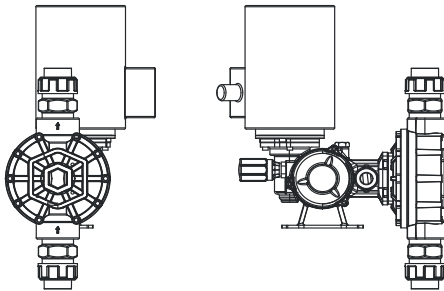
The motor speed depends on the conditions of use. So the indications of the strokes/1' are different because they are measured at the maximum operating pressure, whereas the stresses to which the engine is subjected.

Flow rate may vary according backpressure.

model	diameter	SS316			PVC		
		stroke /min	l/h	bar	stroke /min	l/h	bar
PS1D025	A	84	34,0	20	85	36	10*
	C	140	60,0		145	62	
PS1D030	A	72	40,0	20	72	40	10*
	C	140	78,0		140	78	
PS1D038	A	68	60,0	17	68	60	10*
	C	128	114,0		130	118	
PS1D048	A	72	100,0	10	72	100	10
	C	140	190,0		140	190	
PS1D054	A	72	140,0	8	72	140	8
	C	140	270,0		140	270	
PS1D064	A	76	180,0	6	74	185	4
	C	140	350,0		142	360	

connect. all type	motor 12 Vdc kW	SS316	PVC	PP
		[21]	[31]	[51]
3/8"Gf	0,40 (C0)			
3/8"Gf	0,40 (C0)			
3/8"Gf	0,40 (C0)			
1/2"Gf	0,40 (C0)			
1/2"Gf	0,40 (C0)			
3/4"Gf	0,40 (C0)			

DIAPHRAGM - MS1 Series - 12 Vdc - RESUME TABLE



* Available with **special enforced pump head** for use with pressures up to **16 bar**.

WARNING!

The motor speed depends on the conditions of use. So the indications of the strokes/1' are different because they are measured at the maximum operating pressure, taking into account the stresses to which the engine is subjected.

Flow rate may vary according backpressure.

model	diameter	SS316			PVC / PP		
		stroke /min	l/h	bar	stroke /min	l/h	bar
MS1A094	A	72	23,0	16	72	24	10*
	B	90	30,0		90	31	
	C	144	45,0		145	46	
MS1B108	A	72	65,0	10	72	65	10
	B	92	90,0		90	90	
	C	140	120,0		140	120	
MS1C138	A	72	200,0	7	72	200	7
	B	92	250,0		92	250	
	C	140	390,0		140	390	
MS1C165	A	70	300,0	5	70	300	5
	B	95	380,0		95	380	
	C	135	620,0		136	620	

connect. all type	motor 12 Vdc kW	SS316	PVC	PP
		[21]	[31]	[51]
3/8"Gf	0,40 (C0)			
3/8"Gf	0,40 (C0)			
3/4"Gf	0,40 (C0)			
1" Gf	0,40 (C0)			
1"Gf	0,40 (C0)			



ACCESSORIES - see specific catalogue for details

code	description	
9900107135	PVC Foot filters kit (3pcs) EPDM	
9900107133	PVC Foot filters kit (3pcs) FPM	
SPR99106022	PVC Foot filter with non return ball valve 3/8 Gf thread connection	
SPR99106023	PVC Foot filter with non return ball valve 1/2 Gf thread connection	
SPR99106024	PVC Foot filter with non return ball valve 3/4 Gf thread connection	
SPR99106033	PVC Foot filter with non return ball valve 1 Gf thread connection	
SPR99106071	PVDF Foot filter with non return ball valve 3/8 Gf thread connection	
SPR99106072	PVDF Foot filter with non return ball valve 1/2 Gf thread connection	
SPR99106073	PVDF Foot filter with non return ball valve 3/4 Gf thread connection	
SPR99106074	PVDF Foot filter with non return ball valve 1 Gf thread connection	
SPR99106019	SS foot filter with non return ball valve 3/8 Gf thread connection	
SPR99106020	SS foot filter with non return ball valve 1/2 Gf thread connection	
SPR99106021	SS foot filter with non return ball valve 1 Gf thread connection	
9900107139	Injection valves kit (5pcs) PVC/Ceramic EPDM	
9900107137	Injection valves kit (5pcs) PVC/Ceramic FPM	
SPR99106029	PVC Injector with 3/8 Gf inlet and 3/4 Gm field connection	
SPR99106030	PVC Injector with 1/2 Gf inlet and 1Gm field connection	
SPR99106031	PVC Injector with 3/4 Gf inlet and 1 1/2 Gm field connection	
SPR99106034	PVC Injector with 1 Gf inlet and 1 1/2 Gm field connection	
SPR99106075	PVDF Injector with 3/8 Gf inlet and 3/4 Gm field connection	
SPR99106076	PVDF Injector with 1/2 Gf inlet and 1Gm field connection	
SPR99106077	PVDF Injector with 3/4 Gf inlet and 1 1/2 Gm field connection	
SPR99106078	PVDF Injector with 1 Gf inlet and 1 1/2 Gm field connection	
VZX1S00502_A	SS non return/backpressure valve (2 bar) inlet-Outlet 1/4 Gm	
VZX3S01002_A	SS non return/backpressure valve (2 bar) inlet-Outlet 1/4 Gf	
VZX4S02002_A	SS non return/backpressure valve (2 bar) inlet-Outlet 3/8 Gf	
VZX5S04202_A	SS non return/backpressure valve (2 bar) inlet-Outlet 1/2 Gf	
VZX6S08002_A	SS non return/backpressure valve (2 bar) inlet-Outlet 3/4 Gf	
VZX7S16502_A	SS non return/backpressure valve (2 bar) inlet-Outlet 1 Gf	
SPR99106025	2 pcs PVC adaptor for 8/12 flexible tubing	
SPR99106026	2 pcs PVC adaptor for 16 or 20 mm ID flexible tubing for 1/4 - 3/8 Gf pump connections	
SPR99106027	2 pcs PVC adaptor for 16 or 20 mm ID flexible tubing for 1/2 Gf pump connections	
SPR99106028	2 pcs PVC adaptor for 16 or 20 mm ID flexible tubing for 3/4 - 1 Gf pump connections	

ACCESSORIES - see specific catalogue for details

code	description
SAL025M00000	Electric Actuator AKTUA Series
SA99106004	Installation Actuator Interface - FOR MS1A064 / 094 PUMPS
SA99106005	Installation Actuator Interface - FOR MS1B108 PUMPS
SA99106001	Installation Actuator Interface - FOR MS1C138 / 165 PUMPS
SA99106002	Installation Actuator Interface - FOR PS1 PUMPS
SA99106003	Installation Actuator Interface - FOR PS2 PUMPS
SPR99106016	Fixing bracket for tank
SPR99106017	Fixing bracket for basement
EM99106147	Installation Kit (FPM) PVC/Ceramic
EM99106155	Installation Kit (EPDM) PVC/Ceramic
0000090003	Roller 100 m clear PVC tube ID 8 OD12 mm
0000090004	Roller 100 m clear PE tube ID 8 OD12 mm