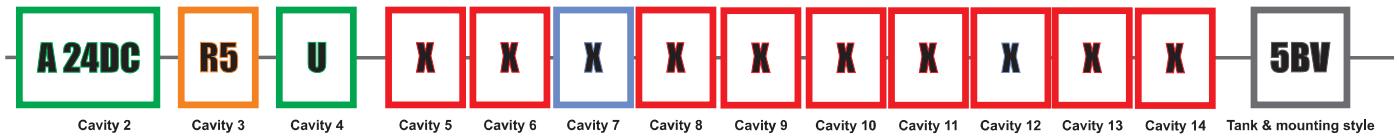


POWER PACKS COMPACT speaking code



Hydraulic valves cavity 2-3-4



code	description
A	NC 2/2 way poppet valve
B	NC 2/2 way poppet valve + emergency
Q	NO 2/2 way poppet valve
C	NO 2/2 way poppet valve + emergency
D	NC 2/2 way double poppet valve + emerg.
M	NO 2/2 way double poppet valve + emerg.
E	lever operated 2/2 valve
EM	lever operated 2/2 valve with microswitch
Z	2 way emergency button
S	flow control valve
T'	proportional flow control valve (*=VDC)
U	hand pump 2cc/stroke
G	closed plug
H	closed plug with 1/4"BSP exit port
N	open plug with 1/4"BSP exit port
P	plug passing through 1/4"BSP exit port
L	basic plug
J	check valve
JF	check valve with 1/4"BSPP exit port
W	pneumatic valve

Hydraulic valves cavity 5-6-8-9

U manifold and for cavity 6-9-10-11-12-13-14 S manifold



code	description
1001	1 l/min 1/4"BSPP p. comp. flow ctrl
1501	1.5 l/min 1/4"BSPP p. comp. flow ctrl
2001	2 l/min 1/4"BSPP p. comp. flow ctrl
3001	3 l/min 1/4"BSPP p. comp. flow ctrl
5001	5 l/min 1/4"BSPP p. comp. flow ctrl
7001	7 l/min 1/4"BSPP p. comp. flow ctrl
10001	10 l/min 1/4"BSPP p. comp. flow ctrl
13001	13 l/min 1/4"BSPP p. comp. flow ctrl
17001	17 l/min 1/4"BSPP p. comp. flow ctrl
22001	22 l/min 1/4"BSPP p. comp. flow ctrl
P01	1/4"BSPP plug
RETURN-KIT	suction/return line pipe
PP01370	suction/return line pipe
RF01	return line immersed filter
S012	start-up 2-4l/min for 1ph AC mot.
S01W	start-up 3-6l/min for 1ph AC mot.
S01A	start-up 5-10l/min for 1ph AC mot.
S01C	start-up 6-14l/min for 1ph AC mot.
S01F	start-up 11-22l/min for 1ph AC mot.
TADPH0001	plastic pipe 90° elbow 1/4 BSPP
TADPH0002	plastic pipe 90° elbow 1/4 BSPP
TADPH0003	plastic pipe 90° elbow 1/4 BSPP
TADPH0004	male-male metal 1/4 pipe for VSC01 cavity 6



Tanks & mounting style

code	description
1,5L	1,5l square plastic
3L	3l square plastic
6L	6l square plastic
5M	5l square plastic
8M	8l square plastic
5P	5l round plastic
7P	7l round plastic
9P	9l round plastic
11P	11l round plastic
15MV	15l square plastic
TCTAH00002	5l Q series square plastic
TCTAH00005	12l Q series square plastic



code	description
1,5A	1,5l cylindrical steel
2,5A	2,5l cylindrical steel
5B	5l cylindrical steel
10B	10l cylindrical steel
12B	12l cylindrical steel
F8000001	steel tank adapter - to be welded



code	description
10D	10l round steel with brackets
22D	22l round steel with brackets
3EV	3l square steel vertical mounting
7EV	7l square steel vertical mounting
8EV	8l square steel vertical mounting
15EV	15l square steel vertical mounting
20EV	20l square steel vertical mounting
30EV	30l square steel vertical mounting



code	description
10HD	10l square aluminum tank
25HD	25l square aluminum tank

Hydraulic valves cavity 7 for U and S manifold



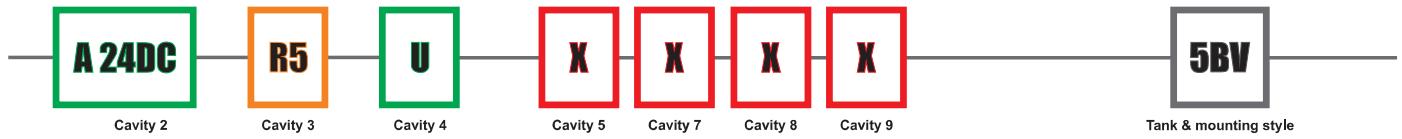
code	description
1004	1 l/min pressure comp. flow control
1504	1.5 l/min press. comp. flow control
2004	2 l/min pressure comp. flow control
3004	3 l/min pressure comp. flow control
5004	5 l/min pressure comp. flow control
7004	7 l/min pressure comp. flow control
10004	10 l/min pressure comp. flow control
13004	13 l/min pressure comp. flow control
17004	17 l/min pressure comp. flow control
22004	22 l/min pressure comp. flow control

Hydraulic valves cavity 5 S manifold

code	description
P01	1/4" BSPP plug

Tanks options	
V	vertical mounting

SMART POWER UNITS speaking code



Hydraulic valves cavity 2-3-4



code	description
A	NC 2/2 way poppet valve
B	NC 2/2 way poppet valve + emergency
Q	NO 2/2 way poppet valve
C	NO 2/2 way poppet valve + emergency
D	NC 2/2 way double poppet valve + emerg.
M	NO 2/2 way double poppet valve + emerg.
E	lever operated 2/2 valve
EM	lever operated 2/2 valve with microswitch
Z	2 way emergency button
S	flow control valve
T'	proportional flow control valve (*=VDC)
U	hand pump 2cc/stroke
G	closed plug
H	closed plug with 1/4"BSP exit port
N	open plug with 1/4"BSP exit port
P	plug passing through 1/4"BSP exit port
L	basic plug
J	check valve
IF	check valve with 1/4"BSP exit port

code description (M4&U4 manifolds only)



code	description
4VA11C	4/2 way directional valve
4VA2	4/3 way directional valve, center P to T
4VB2	4/3 way directional valve, closed center
4VC2	4/3 way directional valve, H center
4VE2	4/3 way directional valve, center A-B to T
F	pressure comp. flow control (*=l/min)
R'	adj. pressure comp. flow control (*=l/min)
S	adjustable flow control valve
Z	2 way emergency button
AR	NC 2/2 way poppet valve reverse flow
BR	NC 2/2 way poppet v. reverse flow + emer.
CR	NO 2/2 way poppet v. reverse flow + emer.
D	NC 2/2 way double poppet valve + emerg.
P'	proportional relief valve (*= bar max)
V'	relief valve (*= bar max)
G	closed plug
H	closed plug with 1/4"BSP exit port
N	open plug with 1/4"BSP exit port
P	plug passing through 1/4"BSP exit port
L	basic plug
J	check valve

Hydraulic valves cavity 5-6-7-8-9



code	description
1(04)	1 l/min pressure comp. flow control
1,5(04)	1,5 l/min press. comp. flow control
2(04)	2 l/min pressure comp. flow control
3(04)	3 l/min pressure comp. flow control
5(04)	5 l/min pressure comp. flow control
7(04)	7 l/min pressure comp. flow control
10(04)	10 l/min pressure comp. flow control
13(04)	13 l/min pressure comp. flow control
17(04)	17 l/min pressure comp. flow control
22(04)	22 l/min pressure comp. flow control
1(01)	1 l/min 1/4"BSPP p. comp. flow ctrl
1,5(01)	1,5 l/min 1/4"BSPP p. comp. flow ctrl
2(01)	2 l/min 1/4"BSPP p. comp. flow ctrl
3(01)	3 l/min 1/4"BSPP p. comp. flow ctrl
5(01)	5 l/min 1/4"BSPP p. comp. flow ctrl
7(01)	7 l/min 1/4"BSPP p. comp. flow ctrl
10(01)	10 l/min 1/4"BSPP p. comp. flow ctrl
13(01)	13 l/min 1/4"BSPP p. comp. flow ctrl
17(01)	17 l/min 1/4"BSPP p. comp. flow ctrl
22(01)	22 l/min 1/4"BSPP p. comp. flow ctrl
P01	1/4"BSPP plug
RETURN-KIT	suction/return line pipe
PPO1370	suction/return line pipe
RF01	return line immersed filter
S01Z	start-up 2-4l/min for 1ph AC mot.
S01W	start-up 3-6l/min for 1ph AC mot.
S01A	start-up 5-10l/min for 1ph AC mot.
S01C	start-up 6-14l/min for 1ph AC mot.
S01F	start-up 11-22l/min for 1ph AC mot.



Tanks & mounting style

code	description
1,5L	1,5l square plastic
3L	3l square plastic
6L	6l square plastic
5M	5l square plastic
8M	8l square plastic
5P	5l round plastic
7P	7l round plastic
9P	9l round plastic
11P	11l round plastic
15MV	15l square plastic



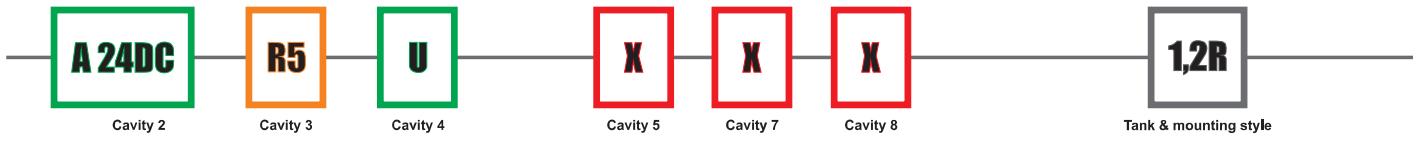
code	description
1,5A	1,5l cylindrical steel
2,5A	2,5l cylindrical steel
5B	5l cylindrical steel
10B	10l cylindrical steel
12B	12l cylindrical steel
F80000001	steel tank adapter - to be welded



code	description
10HD	10l square aluminum tank
25HD	25l square aluminum tank

code	description
V	vertical mounting

POWER PACKS MICRO speaking code



Hydraulic valves cavity 2-3-4



code	description
A	NC 2/2 way poppet valve
B	NC 2/2 way poppet valve + emergency
Q	NO 2/2 way poppet valve
C	NO 2/2 way poppet valve + emergency
D	NC 2/2 way double poppet valve + emerg.
M	NO 2/2 way double poppet valve + emerg.
E	lever operated 2/2 valve
EM	lever operated 2/2 valve with microswitch
Z	2 way emergency button
S	flow control valve
T'	proportional flow control valve (*=VDC)
U	hand pump 2cc/stroke
G	closed plug
H	closed plug with 1/4"BSP exit port
N	open plug with 1/4"BSP exit port
P	plug passing through 1/4"BSP exit port
L	basic plug
J	check valve
JF	check valve with 1/4"BSP exit port



code	description (M4 manifolds only)
4VA11C	4/2 way directional valve
4VA2	4/3 way directional valve, center P to T
4VB2	4/3 way directional valve, closed center
4VC2	4/3 way directional valve, H center
4VE2	4/3 way directional valve, center A-B to T



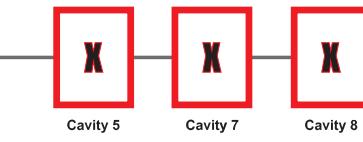
code	description
F	pressure comp. flow control valve (*=l/min)
R'	adj. pressure comp. flow control valve (*=l/min)
S	adjustable flow control valve
Z	2 way emergency button
AR	NC 2/2 way poppet valve reverse flow
BR	NC 2/2 way poppet v. reverse flow + emer.
CR	NO 2/2 way poppet v. reverse flow + emer.
D	NC 2/2 way double poppet valve + emerg.
P'	proportional relief valve (*= bar max)
G	closed plug
H	closed plug with 1/4"BSP exit port
N	open plug with 1/4"BSP exit port
P	plug passing through 1/4"BSP exit port
L	basic plug
J	check valve



code	description (MR manifolds only)
DM	relief valve P (*= bar max)
XM	closed plug for relief valve cavity



code	description (MR manifolds)
MG	closed plug
JP	check valve 5/8-18UNF poppet type



Hydraulic valves cavity 5-7-8

code	description
1(04)	1 l/min pressure comp. flow control
1,5(04)	1,5 l/min press. comp. flow control
2(04)	2 l/min pressure comp. flow control
3(04)	3 l/min pressure comp. flow control
5(04)	5 l/min pressure comp. flow control
7(04)	7 l/min pressure comp. flow control
10(04)	10 l/min pressure comp. flow control
13(04)	13 l/min pressure comp. flow control
17(04)	17 l/min pressure comp. flow control
22(04)	22 l/min pressure comp. flow control
1(01)	1 l/min 1/4"BSP p. comp. flow ctrl
1,5(01)	1,5 l/min 1/4"BSP p. comp. flow ctrl
2(01)	2 l/min 1/4"BSP p. comp. flow ctrl
3(01)	3 l/min 1/4"BSP p. comp. flow ctrl
5(01)	5 l/min 1/4"BSP p. comp. flow ctrl
7(01)	7 l/min 1/4"BSP p. comp. flow ctrl
10(01)	10 l/min 1/4"BSP p. comp. flow ctrl
13(01)	13 l/min 1/4"BSP p. comp. flow ctrl
17(01)	17 l/min 1/4"BSP p. comp. flow ctrl
22(01)	22 l/min 1/4"BSP p. comp. flow ctrl
P01	1/4"BSP plug
RETURN-KIT	suction/return line pipe
PP01370	suction/return line pipe
TADPH00001	Plastic pipe 90 degrees elbow 1/4 BSPP 126mm
TADPH00002	Plastic pipe 90 degrees elbow 1/4 BSPP 150 mm
TADPH00003	Plastic pipe 90 degrees elbow 1/4 BSPP 207mm

code	description
0,7F	0,7l cylindrical steel
1,2F	1,2l cylindrical steel
1,7H	1,7l cylindrical steel
2,4H	2,4l cylindrical steel
F80000012	steel tank adapter - to be welded

Tanks & mounting style

code	description
0,4R	0,4l cylindrical plastic
0,7R	0,7l cylindrical plastic
1,2R	1,2l cylindrical plastic
1T	1l square plastic
1,5T	1,5l square plastic
2T	2l square plastic
2,7T	2,7l square plastic
3,5T	3,5l square plastic



code	description
0,7F	0,7l cylindrical steel
1,2F	1,2l cylindrical steel
1,7H	1,7l cylindrical steel
2,4H	2,4l cylindrical steel
F80000012	steel tank adapter - to be welded

Tanks options
V vertical mounting

SMART CENTRAL MANIFOLDS «SR, SRD, SRT & SRDT»

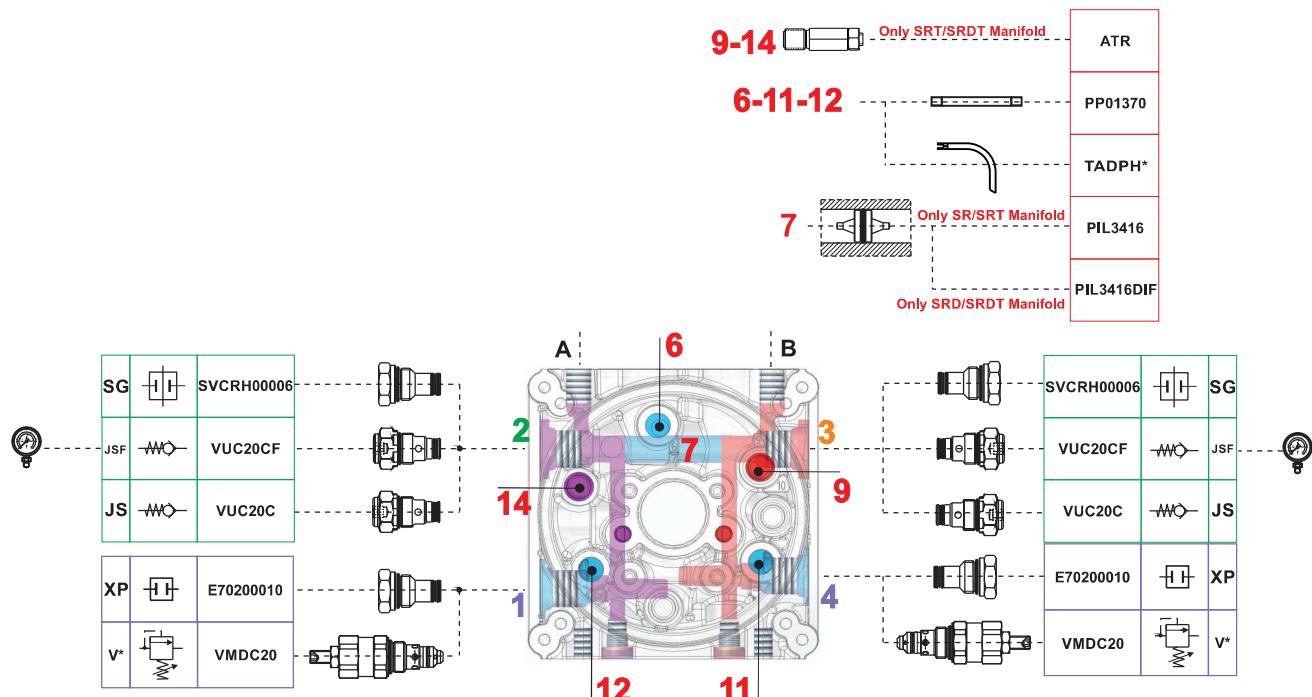
NEW

SR: Smart Central Manifold for reversible applications with cylinder area ratio equal to 1

SRD: Smart Central Manifold for reversible applications with differential area cylinder area

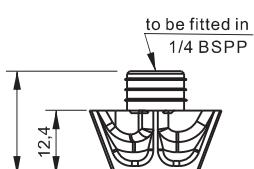
SRT: Smart Central Manifold for reversible applications with cylinder area ratio equal to 1 plus thermal valves

SRDT: Smart Central Manifold for reversible applications with differential area cylinder plus thermal valves



TANK ACCESSORIES

Relief valve diffuser
To be mounted in cavity Tr



It reduces foam and noise when relief valve is working
Recommended for all vertical mounted tanks.

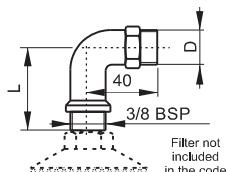
Weight: 0,01 Kg



Spare part code

SFEP01D

90° elbow for suction pipe
M 1/4" & 3/8" BSPT - M 3/8" BSPP



	L	D
PP01E40	40	1/4 BSPT
PP01E77	77	1/4 BSPT
PP02E40	40	3/8 BSPT
PP02E77	77	3/8 BSPT

Recommended for horizontal tanks

Weight: 0,01 Kg

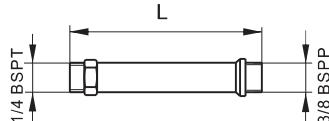


Spare part code

PP0*E**

Notes: Max torque for plastic pipe 5 Nm

1/4" suction pipe



	L
PP0130	30
PP0180	80
PP01120	120

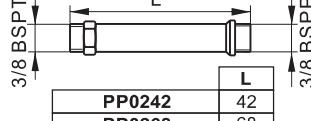
To fit inlet strainers C34100005 to Gr.0 pumps
Weight: 0,01 Kg (average)



Spare part code

PP01*

3/8" suction pipe



	L
PP0242	42
PP0268	68
PP02105	105
PP02125	125
PP02142	142
PP02165	165
PP02180	180
PP02190	190
PP02237	240
PP02320	320
PP02370	370

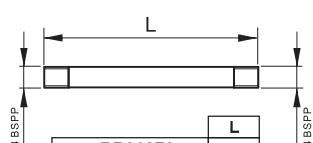
To fit inlet strainers C34100005 to Gr.1 pumps
Weight: 0,02 Kg (average)



Spare part code

PP02**

1/4" suction/return pipe



	L
PP01370	370

Recommended as suction pipe for
PMC02 hand pumps and as return
pipe with C34200001 return filter.

Weight: 0,04 Kg



Spare part code

PP01370