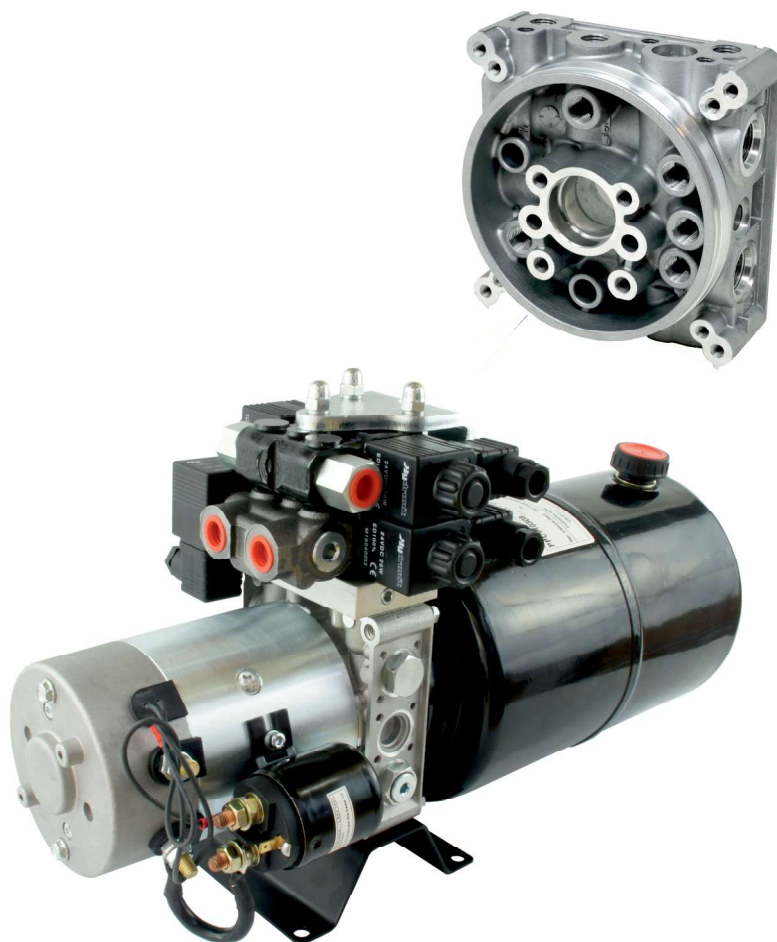




- **Over 20 years** of serial production
- Hundreds of thousands of power packs running worldwide
- Flow: **0,2 ~ 25 l/min**
- **Low pressure drop**
- Pressure up to **370 bar**
- DC motors up to **4 kW**
- AC motors up to **7,5 kW**
- **High modularity**: single & double acting & reversible circuits from the same central manifold
- Ideal choice for hydraulic distributors & system integrators

AC & DC COMPACT series Hydraulic Power Packs

POWER PACKS COMPACT coding

PPC

Power Pack type

2,2 24DC_T/S150

Electric AC or DC motor or motor mounting kit

Power Packs Compact

Standard mounting positioning rules:

- Filler cap on P and T ports side
- AC motor electric box on cavity 2 side
- DC motor and solenoid poles on cavity 1 side
- For horizontal mounting units, suction filter on mounting foot holes side

In lack of specific request made by the customer, all power units are supplied assembled according to these basic rules.

This page contains only the most common codes and options.

For the full available range please check out next pages.



DC motors / Motor mounting kits

code	description
0,15 12DC_T	12VDC 150W + thermal prot.
0,15 24DC_T	24VDC 150W + thermal prot.
0,3 12DC_T	12VDC 300W + thermal prot.
0,3 24DC_T	24VDC 300W + thermal prot.
0,5 12DC_T	12VDC 500W + thermal prot.
0,5 24DC_T	24VDC 500W + thermal prot.
0,8 12DC_T	12VDC 800W + thermal prot.
0,8 24DC_T	24VDC 800W + thermal prot.
0,8 48DC_T	48VDC 800W + thermal prot.
1,2 12DC_T	12VDC 1200W + thermal prot.
1,2 24DC_T	24VDC 1200W + thermal prot.

code	description
1,6 12DC_T	12VDC 1600W + thermal pr.
2,1 12DC_T	12VDC 2100W + thermal pr.
2,2 24DC_T	24VDC 2200W + thermal pr.
2,2 48DC_T	48VDC 2200W + thermal pr.

code	description
1,6 12DC_F	12VDC 1600W + th.pr. + fan
2,1 12DC_F	12VDC 2100W + th. pr. + fan
2,2 24DC_F	24VDC 2200W + th. pr. + fan
2,2 48DC_F	48VDC 2200W + th. pr. + fan
3 24DC_F	24VDC 3000W + th. pr. + fan
3 48DC_F	48VDC 3000W + th. pr. + fan

code	description
3 24DC_T	24VDC 3000W + thermal pr.
4 24DC_T	24VDC 4000W + thermal pr.

code	description
3 24DC_F	24VDC 3000W + th.pr. + fan
4 24DC_F	24VDC 4000W + th.pr. + fan

code	description
2,5HD 12DC_T	12VDC 2500W heavy duty
3HD 24DC_T	24VDC 3000W heavy duty
4HD 24DC_T	24VDC 4000W heavy duty

DC motors options	
S150T	starting relay 150A
S300	starting relay 300A
R100	inverting / starting relay 100A

code	description
XB14 63-0	B14 frame 63 + pump group 0
XB14 63-1	B14 frame 63 + pump group 1
XB14 71-0	B14 frame 71 + pump group 0
XB14 71-1	B14 frame 71 + pump group 1
XB14 80-0	B14 frame 80 + pump group 0
XB14 80-1	B14 frame 80 + pump group 1
XB14 90-1	B14 frame 90 + pump group 1
XB14 100-1	B14 frame 100/112 +pump gr1
XB14E 90	B14 frame 90 kit + elastic coupling
XB14E 100	B14 frame 100 kit + elastic coupling
XB14E GE	Mounting kit for gasoline engine

code	description
X56C-0	Nema 56C + pump group 0
X56C-1	Nema 56C + pump group 1
X184TC-1	Nema 184TC + pump group 1

code	description
KPU1401-0	belt pulley + pump group 0
KPU1401-1	belt pulley + pump group 1



AC motors

code	description
E0,55AC 32 71	0,55kW S3 3ph 2 poles
E0,75AC 32 71	0,75kW S3 3ph 2 poles
E1,1AC 32 80	1,1kW S3 3ph 2 poles
E1,5AC 32 80	1,5kW S3 3ph 2 poles
E2,2AC 32 80	2,2kW S3 3ph 2 poles
E3,0AC 32 90	3kW S3 3ph 2 poles
E4,0AC 32 90	4kW S3 3ph 2 poles
E5,5AC 32 100	5,5kW S3 3ph 2 poles
B14 7,5AC 32 112	7,5kW S3 3ph 2 poles

code	description
E0,37AC 34 71	0,37kW S3 3ph 4 poles
E0,55AC 34 71	0,55kW S3 3ph 4 poles
E0,75AC 34 71	0,75kW S3 3ph 4 poles
E1,1AC 34 80	1,1kW S3 3ph 4 poles
E1,5AC 34 90	1,5kW S3 3ph 4 poles
E2,2AC 34 90	2,2kW S3 3ph 4 poles
E3,0AC 34 90	3kW S3 3ph 4 poles
E4,0AC 34 100	4kW S3 3ph 4 poles
E5,5AC 34 100	5,5kW S3 3ph 4 poles
B14 7,5AC 34 112	7,5kW S3 3ph 4 poles

code	description
E0,55AC S2 71	0,55kW S3 1ph 2 poles
E0,75AC S2 71	0,75kW S3 1ph 2 poles
E1,1AC S2 80	1,1kW S3 1ph 2 poles
E1,5AC S2 80	1,5kW S3 1ph 2 poles
E2,2AC S2 90	2,2kW S3 1ph 2 poles

code	description
E0,37AC S4 71	0,37kW S3 1ph 4 poles
E0,55AC S4 71	0,55kW S3 1ph 4 poles
E0,75AC S4 80	0,75kW S3 1ph 4 poles
E1,1AC S4 90	1,1kW S3 1ph 4 poles
E1,5AC S4 90	1,5kW S3 1ph 4 poles
E2,2AC S4 90	2,2kW S3 1ph 4 poles
E3,0AC S4 100	3kW S3 1ph 4 poles

code	description
M650	5kW Gasoline engine

POWER PACKS COMPACT coding

UB

Central manifold

Central manifolds



code	description
UA	Compact A type with 3 lateral cavities
UB	Compact B type with 5 lateral cavities
U4	Compact 4 type for 4 way cartridge valves



code	description
SB	Compact SB type with 5 lateral cavities
SB3	Compact SB3 type with 5 lateral cavities for 3-way valve
SR	Compact SR for reversible pumps
S4	Compact S4 type 4-way double valve version
SRD	Compact SRD type with differential valves
SRDT	Compact SRDT for reversible pumps
SRT	Compact SRT type 4-way double valve version
S4T	Compact S4T type with differential valves

Central manifolds options

US	SAE06 exit ports for North America market
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K1,1

Gear pump

Gear pumps



code	description
RM0,2	0,26 cc/rev reversible gr0
RM0,3	0,32 cc/rev reversible gr0
RM0,4	0,38 cc/rev reversible gr0
RM0,5	0,49 cc/rev reversible gr0
RM0,7	0,64 cc/rev reversible gr0
RM0,9	0,88 cc/rev reversible gr0
RM1,3	1,25 cc/rev reversible gr0
RM1,5	1,5 cc/rev reversible gr0
R2,1	2,1 cc/rev reversible gr1
R2,6	2,6 cc/rev reversible gr1
R3,2	3,2 cc/rev reversible gr1
R4,2	4,2 cc/rev reversible gr1
R5,6	5,6 cc/rev reversible gr1

code	description
GM0,1	0,19 cc/rev gr0
GM0,2	0,26 cc/rev gr0
GM0,4	0,38 cc/rev gr0
GM0,6	0,64 cc/rev gr0
G0,8	0,85 cc/rev gr1
G1,1	1,15 cc/rev gr1
G1,3	1,3 cc/rev gr1
G1,6	1,6 cc/rev gr1
G2,1	2,1 cc/rev gr1
G2,6	2,6 cc/rev gr1
G3,2	3,2 cc/rev gr1
G3,7	3,7 cc/rev gr1
G4,2	4,2 cc/rev gr1
G4,9	4,9 cc/rev gr1
G6,0	6,0 cc/rev gr1
G7,9	7,9 cc/rev gr1
G9,8	9,8 cc/rev gr1

code	description
HM0,1	0,2 cc/rev high P gr0
HM0,2	0,26 cc/rev high P gr0
HM0,4	0,38 cc/rev high P gr0
HM0,6	0,64 cc/rev high P gr0
HM0,8	0,8 cc/rev high P gr0
H1,2	1,2 cc/rev high P gr1
H1,7	1,7 cc/rev high P gr1
H2,2	2,2 cc/rev high P gr1
H2,6	2,6 cc/rev high P gr1
H3,2	3,2 cc/rev high P gr1
H3,8	3,8 cc/rev high P gr1
H4,3	4,3 cc/rev high P gr1
H4,7	4,7 cc/rev high P gr1
H6,0	6,0 cc/rev high P gr1
H7,4	7,4 cc/rev high P gr1

code	description
S2,2	2,2 cc/rev low noise gr1
S3,2	3,2 cc/rev low noise gr1
S4,3	4,3 cc/rev low noise gr1
S5	5 cc/rev low noise gr1
S6	6 cc/rev low noise gr1
S8,3	8,3 cc/rev low noise gr1
S10	10,2 cc/rev low noise gr1
S13	12,9 cc/rev low noise gr1

Gear pumps options

HL	double pump with hi-lo circuit
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JC

Cavity 0

V350

Relief valve cavity 1

Hydraulic valves cavity 0-1



code	description
JC	check valve 3/4-16UNF
JCFP	check valve 3/4-16UNF with exit port
S	flow control valve
L	plug 3/4-16UNF
N	plug 3/4-16UNF with exit port

Cavity 0 options

MIR63*EM	pressure gauge (*=bar max) + shut-off
PSL01S0100	pressure switch 10+100bar
PSL01S030	pressure switch 50+300bar
PSH01S010	pressure switch 10+100bar high perf.
PSH01S030	pressure switch 50+300bar high perf.
MINIMESS01	minimess with plastic cap
US	SAE exit port

code	description
V60	relief valve 3+60 bar for PPC
V190	relief valve 40+190 bar for PPC
V300	relief valve 40+300 bar for PPC
V390	relief valve 70+390 bar for PPC
XP	closed plug for relief valve cavity

POWER PACKS COMPACT speaking code

A 24DC
R5
U
X
X
X
X
X
X
X
X
X
X
5BV

Cavity 2

Cavity 3

Cavity 4

Cavity 5

Cavity 6

Cavity 7

Cavity 8

Cavity 9

Cavity 10

Cavity 11

Cavity 12

Cavity 13

Cavity 14

Tank & mounting style

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

code	description (M4&U4 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 (*=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 5-6-8-9 U manifold and for cavity 6-9-10-11-12-13-14 S manifold

code	description
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
PP01370	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.
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

Hydraulic valves cavity 7 for U and S manifold

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

Hydraulic valves cavity 5 S manifold

code	description
P01	1/4" BSPP plug

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
15NV	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
F80000001	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

Tanks options	
V	vertical mounting

POWER PACKS COMPACT speaking code

E60403010

External Manifolds

SD03A2 24DC

External Valves

E60543006

Accessories

External Manifolds & Accessories

code	description
M50403007DN	base manifold for SD02 stackable valves
M60403004	23mm spacer subplate
M60403005	90° rotation manifold
M60403039	additional single acting manifold
M60403010	NG3 MICRO parallel block lateral ports
M60413001	NG3 MICRO manifold with p.o. check valves
PM04M	hand pump 4 cc/stroke
PM09M	hand pump 8,8 cc/stroke
M60403008E	PPM to PPC base converter

code	description
E60403006DN	base manifold for SD02 stackable valves
E60403008M	PPC to PPM base converter
E60403004	28mm spacer subplate
E60403004CV	28mm spacer subplate + check valve
E60403002	49mm 90° rotation manifold
E60403005DF	90° rotation manifold double face
E60403039	additional single acting manifold
E60403001	NG6 (Cetop3) parallel block rear ports
E60403010	NG6 (Cetop3) parallel block 3/8 lateral ports
E60403011	NG6 (Cetop3) series block 3/8 lateral ports
E60403012	NG6 (Cetop3) parallel block 1/4 lateral ports
E60413001	NG6 (Cetop3) manifold with p.o. check valves
E60403020	spin-on return line filter manifold
E60403025	pressure line filter manifold
PM04	hand pump 4 cc/stroke
PM09	hand pump 8,8 cc/stroke
E60403030	SAE08 2-way cartridge manifold block
E60403031	SAE08 3-way cartridge manifold block

Manifold blocks option	
US	SAE06 exit ports for North America market

code	description
MIR6360EM	pressure gauge 60bar
MIR63160EM	pressure gauge 160bar
MIR63250EM	pressure gauge 250bar
MIR63315EM	pressure gauge 315bar
PSL01S0100	pressure switch 10÷100bar
PSL01S0300	pressure switch 50÷300bar
PSH01S0100	pressure switch 10÷100bar high performance
PSH01S0300	pressure switch 50÷300bar high performance

code	description
P0201	remote 2 buttons control box
P0202	remote 4 buttons control box
VPC00	PWM driver for proportional valves
E60543003	foot mounting support PPM
E60543006	foot mounting support PPC/EPB
E60543007	foot mounting support PPC/EPB - tall type

code	description
VUR01C	in-line check valve 1/4" BSPP
VUR02C	in-line check valve 3/8" BSPP
VURSAE06C	in-line check valve 9/16-18UNF
STU01	in-line unidirectional flow valve 1/4" BSPP
STU02	in-line unidirectional flow valve 3/8" BSPP
STUSAE06	in-line unidirectional flow valve 9/16-18UNF
STB01	in-line bidirectional flow valve 1/4" BSPP
STB02	in-line bidirectional flow valve 3/8" BSPP
STBSAE06	in-line bidirectional flow valve 9/16-18UNF
BFCSAE0801	in-line mounting SAE08 manifold 1/4"BSPP
BFCSAE0802	in-line mounting SAE08 manifold 3/8"BSPP
BMPPC02	base for Hydronit modular blocks

External Valves

code	description
SD02C2RP	stackable directional valve 4/3 H center + p. o. check valves
SD02E2RP	stackable directional valve 4/3 center A-B to T + p. o. check valves
SD02A2TP	stackable dir. v. 4/3 center P to T + cav. SAE08 for additional valves
SD02B2TP	stackable dir. v. 4/3 closed center + cav. SAE08 for additional valves
SD02C2TP	stackable dir. v. 4/3 H center + cav. SAE08 for additional valves
SD02E2TP	stackable dir. v. 4/3 center A-B to T + SAE08 for additional valves

code	description
SD03ALC11C	NG6 (cetop3) directional valve 4/2
SD03LCA2	NG6 (cetop3) directional valve 4/3 center P to T
SD03LCB2	NG6 (cetop3) directional valve 4/3 closed center
SD03LCC2	NG6 (cetop3) directional valve 4/3 H center
SD03LCE2	NG6 (cetop3) directional valve 4/3 center A-B to T

code	description
HD03LCA1	NG6 (cetop3) manual directional valve spring centred P to T
HD03LCA2	NG6 (cetop3) manual directional valve spring centred closed centre
HD03LCA3	NG6 (cetop3) manual directional valve spring centred H centre
HD03LCA4	NG6 (cetop3) manual directional valve spring centred A-B to T
HD03LCD1	NG6 (cetop3) manual directional valve with detent, centre P to T
HD03LCD2	NG6 (cetop3) manual directional valve with detent, closed centre
HD03LCD3	NG6 (cetop3) manual directional valve with detent, H centre
HD03LCD4	NG6 (cetop3) manual directional valve with detent, centre A-B to T
E60424001	NG6 (cetop3) sandwich type modular relief valve on A & B
E60424002	NG6 (cetop3) sandwich type modular relief valve on A
E60424003	NG6 (cetop3) sandwich type modular relief valve on B
E60433001	NG6 (cetop3) sandwich type modular throttle valve on A & B
E60433002	NG6 (cetop3) sandwich type modular throttle valve on A
E60433003	NG6 (cetop3) sandwich type modular throttle valve on B
E60453001	NG6 (cetop3) sandwich type modular overcentre valve on A & B
E60483001	NG6 (cetop3) sandwich type pressure reducing valve on P
E60483002	NG6 (cetop3) sandwich type pressure reducing valve on A
E60483003	NG6 (cetop3) sandwich type pressure reducing valve on B

Solenoid valves coils voltages	
12DC	12V direct current
24DC	24V direct current
24AC	24V alternate current 50 or 60Hz
115AC	115V alternate current 50 or 60Hz
230AC	230V alternate current 50 or 60Hz

Note: not all the voltages are available on some valves codes