

Safety Blocks

Parker Olaer has developed a complete range of decompressing and isolating blocks (sizes 10 to 50) to answer all standard and special applications.

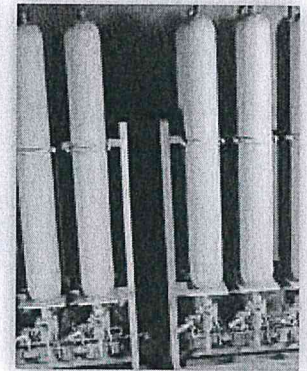
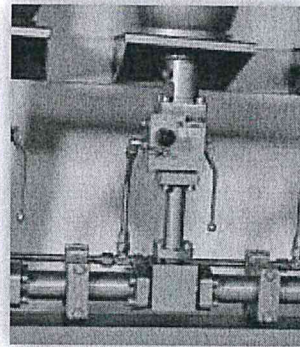
These blocks are in conformity with the European Directive on the equipment under pressure (97/23), these appliances have been designed to group together in a single compact unit all the components necessary for the correct operation of a hydraulic system equipped with hydropneumatic accumulators.

The basic block consists of :

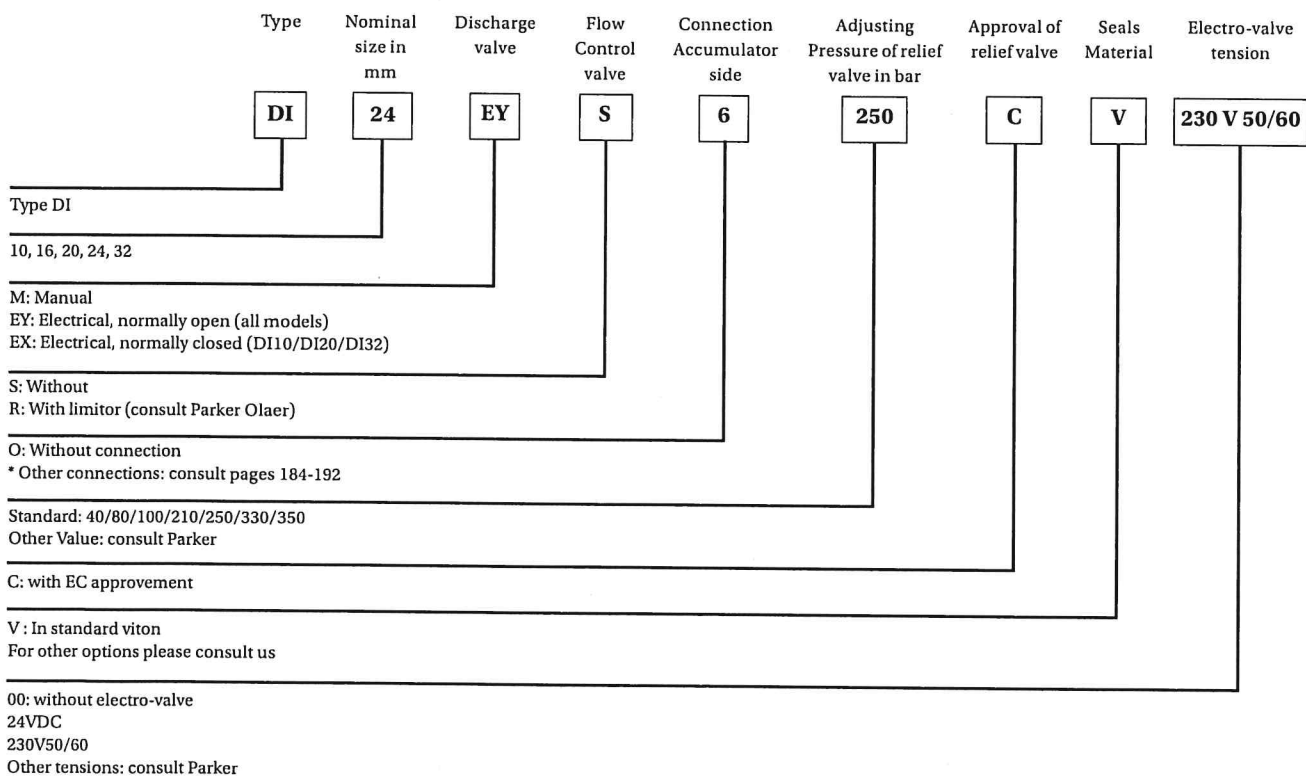
- Isolating valve to isolate the accumulator from the circuit for all the blocks except from model DI 10 where it also ensures the decompression function.
- A drain valve for decompressing the accumulator for all models (except DI 10)
- A pressure relief valve EC with poppet calibrated generally to the maximum service pressure of the accumulator (under no circumstances must this appliance be used to protect the hydraulic pump)
- Pressure tapping port (M)

In the E version, the basic block, to decompress the accumulator, can be equipped with an electro-valve :

- 2 ways 2 positions (DI 10/DI 20/DI 32) cartridge type.
- 3 ways 2 positions (DI 16/DI 24) with impact of connection according to DIN 24340 Form A, ISO 4401 and CETOP RP 121 H.



DI Series: How to order a Safety Block



Safety Block DI 24 Manual Version

Standard version (Carbon steel, seals VITON) temperature -15°C up to 70°C Maximum working pressure : 350 Bar.
According to PED 2014/68/EU

Connecting to accumulator	Type	Part number
EHV 2,5 up to 10 L G1"1/4 210 B	DI24MS/1/210CV	35129011G02
EHV 2,5 up to 10 L G1"1/4 250 B	DI24MS/1/250CV	35129011H02
EHV 2,5 up to 10 L G1"1/4 330 B	DI24MS/1/330CV	35129011J02
EHV 2,5 up to 10 L G1"1/4 350 B	DI24MS/1/350CV	35129011Y02
EHV 10 up to 50 L G2" 210 B	DI24MS/3/210CV	35129013G02
EHV 10 up to 50 L G2" 250 B	DI24MS/3/250CV	35129013H02
EHV 10 up to 50 L G2" 330 B	DI24MS/3/330CV	35129013J02
G2" 350 B	DI24MS/3/350CV	35129013Y02
ACCU PISTON 10 up to 50 L G2" & EBV 100 and 200 L	Consult Parker	

Safety Block DI 24 Electrical Version

Standard version (Carbon steel, seals VITON) temperature -15°C up to 50°C. Maximum working pressure : 350 Bar.
According to PED 2014/68/EU.

Pre-machine for Electro-valve installation.

For complete electrical safety block please add electro-valve price to DI24EYS

example : DI24EYS/1/330CV24VCC = P/N 35129031J02 + P/N 35157700281

Other pressure setup : on request

Connecting to accumulator	without the electro-valve tension	
	Type	Part number
EHV 2,5 up to 10 L G1"1/4 210 B	DI24EYS/1/210CV	35129031G02
EHV 2,5 up to 10 L G1"1/4 250 B	DI24EYS/1/250CV	35129031H02
EHV 2,5 up to 10 L G1"1/4 330 B	DI24EYS/1/330CV	35129031J02
EHV 2,5 up to 10 L G1"1/4 350 B	DI24EYS/1/350CV	35129031Y02
EHV 10 up to 50 L G2" 210 B	DI24EYS/3/210CV	35129033G02
EHV 10 up to 50 L G2" 250 B	DI24EYS/3/250CV	35129033H02
EHV 10 up to 50 L G2" 330 B	DI24EYS/3/330CV	35129033J02
G2" 350 B	DI24EYS/3/350CV	35129033Y02
PISTON ACCUMULATOR 10 up to 50 L G2" & EBV 100 and 200 L	Consult Parker	

Electro-Valve Options, Accessories , Spare Parts

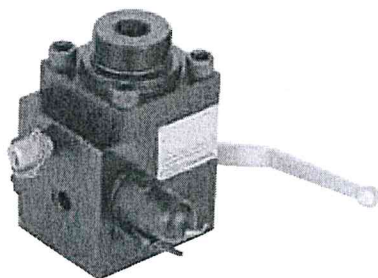
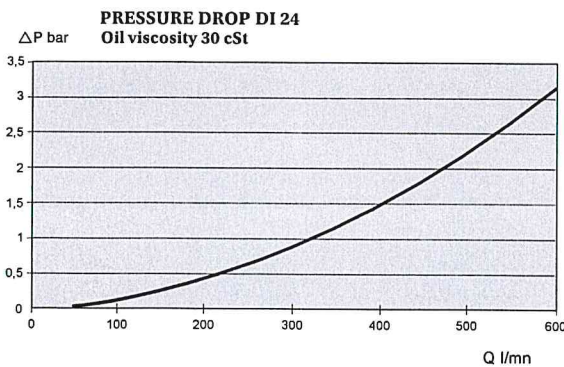
Type	Electro valve tension	Part number
ELECTRO-VALVE T3	24 VCC	35157700281
ELECTRO-VALVE T3	110/120 V 50/60 Hz	35157800281
ELECTRO-VALVE T3	220/230 V 50/60 Hz	35157900281
FLOW CONTROL	R24	35067500281
FLANGE M 1"1/4 GAZ CYL CONNECTION ACCUMULATOR SIDE		10436600281
FLANGE M 2" GAZ CYL CONNECTION ACCUMULATOR SIDE		35037500281
RELIEF VALVE CE Size 10	210 BAR	35045932102
RELIEF VALVE CE Size 10	250 BAR	35045932502
RELIEF VALVE CE Size 10	330 BAR	35045933302
RELIEF VALVE CE Size 10	350 BAR	35045933502

Safety Block DI 24

TECHNICAL DATA DI 24

- **Size:** Nominal diameter : 24 mm
- **Maxi working pressure:** Manual version : 350 bar
 Electrical version : 350 bar
- **Weight without connector:** Manual version : 9,5 kg
 Electrical version : 11 kg
- **Materials:** Carbon steel According to PED suitable for fluids group 2
- **Temperature:** Manual version : - 15°C à + 70°C
 Electrical version : - 15°C à + 50°C (ambient temperature)
- **Electrical data:** DC : 24 V AC : 230 V-50/60 Hz ; 110 V-50/60 Hz.
 Standard protection : IP 65
 Standard connector : DIN 43650
- Power consumption : 30 W
- **Connection accumulator side:** See page 233
- **Pressure / return connector of circuit:** See drawing
- **Pressure relief valve marked EC:** 10 mm (nominal dia)
- **Flow:** Consult the diagram

Pressure relief valve sealed delivered with declaration of manufacturing conformity



Above dimensions are in mm and are subject to manufacturing tolerances.

VERSION E

Positioning Cetop size 3 for clack electro-valve

View according to F

4 holes M5 - Depth of tapped 12 useful
 Front hole depth : 16 on point

View according to G

Positioning 1" 1/4 SAE 6000
 4 holes M14 - Depth of tapped 24 useful
 Front hole depth : 31 on point

View according to G

Positioning Cetop 1" 1/4 PN 400
 4 holes M14 - Depth of tapped 24 useful
 Front hole depth : 31 on point

VERSION M

VERSION E

M: screw coupling G 1/4" with Minimes 1620
T: port tank G3/8"
 Flattened \varnothing 24,2 prof. depth : 1,5 for bonded seal
A: port accumulator (see page 162)
P: port process (see view according to G)