

**Accumulator safety valves Size 6 and 10
Directly-controlled
PN [pmax.] = 10 to 350 bar**

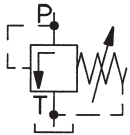
**With TÜV type approval according to
DGR 97/23/EG, cartridge-type
High blow off
Tightly closing seat valve**



Parameters according to VDI 3276

General parameters:

Symbol:



Design:

Seat valve, directly controlled

Mounting position:

Optional

Flow direction:

From P to T

Ambient temperature range ϑ_u max. [°C]:

-10 to +50

Size [NG]:

6, 10

Hydraulic parameters:

Operating pressure range

p_e [bar]:

Pressure stage 10:	10
Pressure stage 63:	70
Pressure stage 65:	80
Pressure stage 70:	100
Pressure stage 75:	150
Pressure stage 76:	160
Pressure stage 80:	210
Pressure stage 81:	235
Pressure stage 82:	230
Pressure stage 85:	250
Pressure stage 89:	300
Pressure stage 90:	315
Pressure stage 91:	350
Pressure stage 99:	non defined

Pressure fluid temperature

ϑ_u max. [°C]:

70

Viscosity range

ν [mm²/s]:

From 12 to 500

Blow off

G [l/min]:

See type survey

Accumulator safety valves Size 6 and 10

Type survey (standard designs)

Size	Operating pressure p_o [bar]	Blow off G [l/min]	Type	Cat. No.
6	63	20	D B C 6 H K E 61 017 1 0 0	6014336
6	70	14	D B C 6 H K E 63 017 1 0 0	6016133
6	80	17	D B C 6 H K E 65 017 1 0 0	6016134
6	100	40	D B C 6 H K E 70 017 1 0 0	6014337
6	150	40	D B C 6 H K E 75 017 1 0 0	6014338
6	160	39	D B C 6 H K E 76 017 1 0 V	6016119
6	210	60	D B C 6 H K E 80 017 1 0 0	6014339
6	230	45	D B C 6 H K E 82 017 1 F 0	6016012
6	235	45	D B C 6 H K E 81 017 1 0 0	6014753
6	250	55	D B C 6 H K E 85 017 1 0 0	6014340
6	270	55	D B C 6 H K E 99 017 1 0 0	6016135
6	300	65	D B C 6 H K E 89 017 1 0 0	6014341
6	330	70	D B C 6 H K E 99 017 1 F 0	6016082
6	350	70	D B C 6 H K E 91 017 1 0 0	6015209
10	10	24	D B C 10 H K E 10 017 1 0 0	6015871
10	63	85	D B C 10 H K E 61 017 1 0 0	6014744
10	100	110	D B C 10 H K E 70 017 1 0 0	6014745
10	150	130	D B C 10 H K E 75 017 1 0 0	6014610
10	210	130	D B C 10 H K E 80 017 1 0 0	6014746
10	250	160	D B C 10 H K E 85 017 1 0 0	6014747
10	300	150	D B C 10 H K E 89 017 1 0 0	6014748
10	315	150	D B C 10 H K E 90 017 1 0 0	6015810

Ordering

When ordering, please state type No. along with catalog No. listed in the above type survey.

Ordering example

Wanted: Accumulator safety valve size 6, pressure setting 210 bar, blow off max. 60 l/min.

Order: Accumulator safety valve:

Type No.: D B C 6 H K E 80 017 1 0 0

Cat. No.: **6014339**

Type key

Accumulator safety valve

D	B	C	...	HK	E	...	017	...	0	...
			1			2		3		4

- 1 Size: **6 and 10** – see table
- 2 Operating-pressure:
 - 10** – 10 bar
 - 61** – 63 bar
 - 63** – 70 bar
 - 65** – 80 bar
 - 70** – 100 bar
 - 75** – 150 bar
 - 76** – 160 bar
 - 80** – 210 bar
 - 81** – 235 bar
 - 82** – 230 bar
 - 85** – 250 bar
 - 89** – 300 bar
 - 90** – 315 bar
 - 91** – 350 bar
 - 99** – indefinite
- 3 Engineering version: **1**
- 4 Sealing material:
 - 0** – Perbunan
 - V** – FKM (Viton)

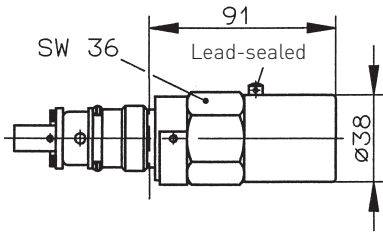
Design

The accumulator safety valves of Type D B C are directly operated seat valves, and have TÜV type approval. The maximum pressure is limited by a lead-sealed stop. The setting of the maximum pressure is carried out in the factory. To prevent unauthorized resetting to another pressure, the cover hood is secured by a lead seal. Accumulator safety valves are used to protect the hydraulic accumulator against excessive pressure. The accumulator safety valve should be chosen such that the pump delivery is equal to or less than the permissible blow off of the particular valve, taking into account the operating pressure.

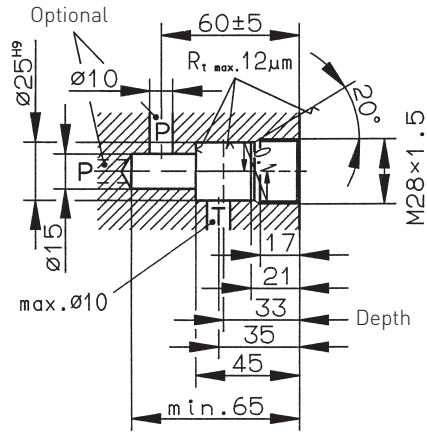
Accumulator safety valves Size 6 and 10

Dimensional drawings

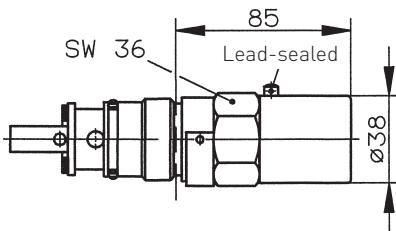
Pressure valve
D B C 6 .. E ..



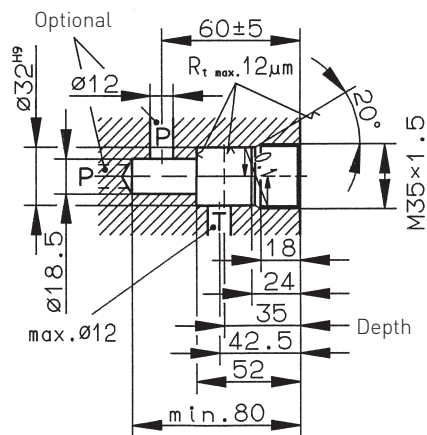
Receiving bore
For D B C 6 .. E ..



D B C 10 .. E ..

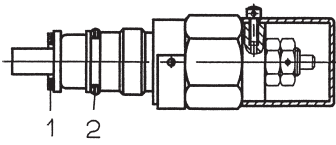


For D B C 10 .. E ..

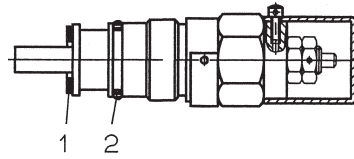


Spare parts drawings

D B C 6 HK ..



D B C 10 HK ..



Spare parts

0657121, containing:
1 x Usit-ring (17.4 x 24 x 1.5) for NG 6 (Pos. 1)

0701514, containing:
1 x O-ring (20.3 x 2.6) for NG 6 (Pos. 2)

0659044, containing:
1 x Usit-ring (22.7 x 30 x 2) for NG 10 (Pos. 1)

0701518, containing:
1 x O-ring (26.7 x 2.6) for NG 10 (Pos. 2)

Repairs and maintenance must only be carried out by the valve manufacturer or authorized personnel.

Spare parts kit

0726832, containing:
1 Set of spare parts of parts 1 and 2 for NG 6.
The parts are not available separately..

0727498, containing:
1 Set of spare parts of parts 1 and 2 for NG 10.
The parts are not available separately..

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