

EHV Series: How to order a high pressure accumulator

EHV 24,5- 330 /90-A25GA-200/100

Product Type

- EHV** High pressure bladder
- ETHV** High pressure transfer bladder
- EHVF** High pressure bladder flanger

Volume in L (up to 4 Characters)

- 0,2 for 0,5 Liter
- 20** for 20 Liters
- 24,5 for 24.5 Liters

Maximum Working Pressure

- 120 for 120 bar max working pressure (stainless steel range)
- 330** for 330 bar max working pressure
- 350 for 350 bar max working pressure
- 690 for 690 bar max working pressure

*If the product is not CE, use highest MWP according to regulation relevant to the product (see Approvals PAGES 64&65)

Approvals*

- 0 According to the PED2014/68/EU, article 4.3 for the volumes from 0.5 to 1L
- 48 According ASME
- 71 According CUTR 032/2013
- 86 According CE/ASME/SELO
- 88 According CE/SELO
- 90** According to the PED 2014/68/EU
- 94 According CE/ASME
- * (Please refer to Approvals PAGES 63&64)

Material (Shell and Fluid Port)

- A** All parts in carbon steel with Epoxy paint for shell only
- B Carbon Steel shell + Internal Protection Epoxy 80 µm + stainless steel fluid port and valve
- C Carbon Steel shell + Int- Ext Protection Kanigen 50 µm + stainless steel fluid port and valve
- D Carbon Steel shell + Int- Ext Protection Blue Rilsan 200-300 µm + carbon steel fluid port and valve
- E Carbon Steel shell + stainless steel fluid port and valve
- F Carbon steel shell + Internal Protection Teflon 40-50 µm
- I All parts in stainless steel
- R Carbon Steel shell + Int- Ext Protection Blue Rilsan 200-300 µ + stainless steel fluid port and valve
- Z Special

Bladder Mix

- 02 For Mix 02 [-32°C;+115°C] Hydrin C
- 10 For Mix 10 [-30°C;+70°C] Nitrile Low Temperature
- 20 For Mix 20 [-6°C;+110°C] Nitrile Heavy Duty
- 25** For Mix 25 [-20°C;+100°C] Nitrile standard
- 30 For Mix 30 [-5°C;+115°C] Nitrile Low Permeability
- 35 For Mix 35 [0°C;+130°C] Nitrile high temperature
- 37 For Mix 37 [-59°C;+110°C] Nitrile Extreme Low Temp
- 40 For Mix 40 [-15°C;+120°C] Butyl
- 47 For Mix 47 [-40°C;+120°C] EPDM
- 80 For Mix 80 [-20°C;+140°C] Viton

Fluid Port Configuration

- | | | | | | |
|---|--|----------|--|---|--|
| A | Gas cyl. 1/2" (max flow rate: 120L/min | G | Gas cyl. 2" (max flow rate: 900L/min) | R | Flange BR 400-38 (max flow rate: 900L/min, EHV 10L to 57L) |
| B | Gas cyl. 3/4" (max flow rate: 240L/min | H | Gas cyl.2" DA (max flow rate: 1200L/min) | S | Flange BR 400-25 (max flow rate: 450L/min, EHV 2,5L to 10L) |
| C | Gas cyl. 1" (max flow rate: 360L/min | J | Gas cyl.2" 1/2 GD (max flow rate 1800 L/min) | Z | Special |
| D | Gas cyl. 1" 1/4" (max flow rate: 450L/min | M | Metric M40 x1.5 | | |
| E | Gas cyl. 1" 1/4" DA (max flow rate: 570L/min | N | Metric M50 x1.5 | | |

Gas Valve Configuration

- | | | | |
|----------|--|---|---|
| 0 | No gas valve | F | Gas Valve Type - 5/8" - 18 UNF + Burst disc |
| A | Gas Valve Type - 5/8" - 18 UNF | G | Gas Valve Type - 7/8" - 14 UNF + Burst disc |
| B | Gas Valve Type - 7/8" - 14 UNF | H | Gas Valve Type- 7/8" -14 UNF integrated + Burst disc |
| C | Gas Valve Type- 7/8" -14 UNF integrated | I | Gas Valve Type - 5/8" - 18 UNF integrated + Burst disc |
| D | Gas Valve Type - 5/8" - 18 UNF integrated | J | Gas Valve Type- 7/8" -14 UNF high pressure + Burst disc |
| E | Gas Valve Type- 7/8" -14 UNF high pressure | Z | Special |

Fluid Type

- 0 Not applicable
- 1 Fluid Type 1 CE Fluid Group 1
- 2** Fluid Type 2 - CE Fluid Group 2

Special

- | | | | | |
|-----------|---|----|--|--|
| 00 | No Special features or configuration | D1 | Standard documentation + Leak test report | <i>ASME certified accumulator according to ASME VIII Div.1 :</i> |
| EX | ATEX | D2 | Standard documentation + Descriptive statement + Design calculation note | |
| EZ | ATEX with other special configuration | 30 | MWP = 3000 psi (207 bar) | |
| EU | All components sourced in EU | 36 | MWP = 3600 psi (248 bar) | |
| SP | Special painting | 40 | MWP = 4000 psi (276 bar) | |
| | | 50 | MWP = 5000 psi (345 bar) | |

Precharge @ 20°C in Bar

When at storage pressure (Keep empty)

- 100** When at storage (keep empty) example for 100 Bar precharge

EHV Series 330 bar, 10 to 57 Litres

Standard version (Carbon Steel shell/NBR mix) for mineral oils.

According to PED 2014/68/EU (**), EN 14359 Fluid Group 2

Product Prices, Part numbers, Accessories

Type Part number	Valve	Pre-charge			Adaptor	Clamps	Support Bracket	Mounting Frame	Lifting Eye on gas side	Complete Repair Kit
	see drawing	1 - 109 bar	110 - 209 bar	210 - 300 bar	Threaded Part number	Model (quantity) Part number	Model Part number	Model Part number	Model Part number	Model Part number
EHV 10-330/90-A25GA-200 10837001125	A				G 1" cyl	D226 (2)	CE159A	EF2		KIT EHV 10-330/90-A25GA 19028900225
EHV 10-330/90-A25GB-200 10865401125	B	751016	751023	751038	04557000223	20251503648	20109003620	20217600125	10912700200	KIT EHV 10-330/90-A25GB 19035800225
EHV 12-330/90-A25GA-200 10867101125	A				G 1" cyl	D226 (2)	CE159A	EF2		KIT EHV 12-330/90-A25GA 19032100225
EHV 12-330/90-A25GB-200 10867401125	B	751016	751023	751038	04557000223	20251503648	20109003620	20217600125	10912700200	KIT EHV 12-330/90-A25GB 19035900225
EHV 20-330/90-A25GA-200 10837101125	A				G 1" cyl	D226 (2)	CE159A	EF2		KIT EHV 20-330/90-A25GA 19029000225
EHV 20-330/90-A25GB-200 10865501125	B	751005	751024	751039	04557000223	20251503648	20109003620	20217600125	10912700200	KIT EHV 20-330/90-A25GB 19036000225
EHV 24.5-330/90-A25GA-200 10837201125	A				G 1" cyl	D226 (2)	CE159A	EF2		KIT EHV 24.5-330/90-A25GA 19029400225
EHV 24.5-330/90-A25GB-200 10865601125	B	751017	751025	751040	04557000223	20251503648	20109003620	20217600125	10912700200	KIT EHV 24.5-330/90-A25GB 19036300225
EHV 32-330/90-A25GA-200 10837301125	A				G 1" cyl	D226 (2)	CE159A	EF3		KIT EHV 32-330/90-A25GA 19029100225
EHV 32-330/90-A25GB-200 10865701125	B	751006	751026	751041	04557000223	20251503648	20109003620	20217700125	10912700200	KIT EHV 32-330/90-A25GB 19036100225
EHV 42-330/90-A25GA-200 11112301125	A				G 1" cyl	D226 (2)	CE159A	EF3		KIT EHV 42-330/90-A25GA 19060800225
EHV 42-330/90-A25GB-200 11123601125	B	751212	751213	751214	04557000223	20251503648	20109003620	20217700125	10912700200	KIT EHV 42-330/90-A25GB 19061100225
EHV 50-330/90-A25GA-200 11076701125	A				G 1" cyl	D226 (2)	CE159A	EF3		KIT EHV 50-330/90-A25GA 19054100225
EHV 50-330/90-A25GB-200 11076801125	B	751007	751027	751042	04557000223	20251503648	20109003620	20217700125	10912700200	KIT EHV 50-330/90-A25GB 19054200225
EHV 57-330/90-A25GA-200 11112401125	A				G 1" cyl	D226 (2)	CE159A	EF3		KIT EHV 57-330/90-A25GA 19060900225
EHV 57-330/90-A25GB-200 11123801125	B	751215	751216	751217	04557000223	20251503648	20109003620	20217700125	10912700200	KIT EHV 57-330/90-A25GB 19061200225

*For more adaptor options see page 58

** From 07/2016 PED 97/23/EC becomes PED 2014/68/EU

Model of valve stem
5/8" 18 UNF
 (A)

Model of valve stem
 7/8" 14 UNF
 (B)

