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

Gas Valve Configuration

0 No gas valve
A Gas Valve Type - 5/8"- 18 UNF
B Gas Valve Type - 7/8"- 14 UNF
C Gas Valve Type- 7/8" -14 UNF integrated
D Gas Valve Type - 5/8"- 18 UNF integrated
E Gas Valve Type- 7/8" -14 UNF high pressure
F Gas Valve Type - 5/8"- 18 UNF + Burst disc
G Gas Valve Type - 7/8"- 14 UNF + Burst disc
H Gas Valve Type- 7/8" -14 UNF integrated + Burst disc
I Gas Valve Type - 5/8"- 18 UNF integrated + Burst disc
J Gas Valve Type- 7/8" -14 UNF high pressure + Burst disc
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
EX ATEX
EZ ATEX with other special configuration
EU All components sourced in EU
SP Special painting
D1 Standard documentation + Leak test report
D2 Standard documentation + Descriptive statement + Design calculation note
ZZ Special configuration or several options

ASME certified accumulator according to ASME VIII Div.1 :
30 *MWP = 3000 psi (207 bar)*
36 *MWP = 3600 psi (248 bar)*
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 350 bar, 0.2 to 10 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 see drawing	Pre- charge			Adaptor	Clamps	Support Bracket	Mounting Frame	Lifting Eye on gas side	Complete Repair Kit
		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 0.2-350/00-A20AD-200* 10876301120	D	751013	751028	751043	G 1/4" cyl 4556500223	A56 (1) 20149203625				KIT EHV 0.2-350/00-A20AD 19001000220
EHV 0.5-350/00-A25BD-200* 10876401125	D	751000	751029	751044	G 3/8" cyl 4556400223	E95 (1) 20250803648				KIT EHV 0.5-350/000-A25BD 19001100225
EHV 1-350/00-A25BC-200* 10845601125	C				G 3/8" cyl	E114 (1)	CE 89			KIT EHV 1-350/00-A25BC 19029700225
EHV 1-350/00-A25BB-200* 10866901125	B	751001	751030	751045	04556400223	20251003648	20151903620			KIT EHV 1-350/00-A25BB 19036400225
EHV 1.6-350/90-A25BC-200 10998301125	C				G 3/8" cyl	E114 (1)	CE 89			KIT EHV 1.6-350/900-A25BC 19060700225
EHV 1.6-350/90-A25BB-200 11123501125	B	751014	751019	751034	04556400223	20251003648	20151903620			KIT EHV 1.6-350/900-A25BB 19061000225
EHV 2.5-350/90-A25DC-200 10854701125	C				G 3/4" cyl	E114 (2)	CE 89			KIT EHV 2.5-350/90-A25DC 19029800225
EHV 2.5-350/90-A25DB-200 10866601125	B	751002	751031	751046	04555200223	20251003648	20151903620		10912700200	KIT EHV 2.5-350/90-A25DB 19036500225
EHV 4-350/90-A25DC-200 10845401125	C				G 3/4" cyl	E168 (1)	CE108	EF1		KIT EHV 4-350/90-A25DC 19029900225
EHV 4-350/90-A25DB-200 10866101125	B	751012	751020	751035	04555200223	20251303648	20118703620	20217500125	10912700200	KIT EHV 4-350/90-A25DB 19036600225
EHV 5-350/90-A25DC-200 10861201125					G 3/4" cyl	E114 (2)	CE 89			KIT EHV 5-350/90-A25DC 19030000225
EHV 5-350/90-A25DB-200 10866701125	B	751003	751032	751047	04555200223	20251003648	20151903620		10912700200	KIT EHV 5-350/90-A25DB 19036700225
EHV 6-350/90-A25DC-200 10857401125	C				G 3/4" cyl	E168 (2)	CE108	EF1		KIT EHV 6-350/90-A25DC 19030100225
EHV 6-350/90-A25DB-200 10866201125	B	751015	751021	751036	04555200223	20251303648	20118703620	20217500125	10912700200	KIT EHV 6-350/90-A25DB 19036800225
EHV 10-350/90-A25DC-200 10859701125	C				G 3/4" cyl	E168 (2)	CE108	EF1		KIT EHV 10-350/90-A25DC 19030200225
EHV 10-350/90-A25DB-200 10866301125	B	751004	751022	751037	04555200223	20251303648	20118703620	20217500125	10912700200	KIT EHV 10-350/90-A25DB 19036900225

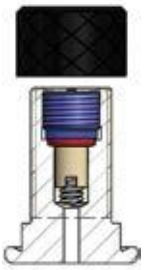
* From 07/2016 PED 97/23/EC Article 3.3 becomes PED 2014/68/EU Article 4.3

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

*** For more adaptor options see page 58.

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

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



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