

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 flange

Volume in L (up to 4 Characters)

0,2 for 0,2 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 84&85)

Approvals* According to:-

00 PED2014/68/EU, article 4.3	86 PED2014/68/EU + ASME VIII div 1 app 22 + SELO
11 PED2014/68/EU + BV Marine	88 PED2014/68/EU + SELO
13 PED2014/68/EU, article 4.3 + BV Marine	90 PED2014/68/EU
23 PED2014/68/EU, article 4.3 + ABS	91 ASME VIII div 1 app 22 + AS1210
24 PED2014/68/EU + DNVGL	92 ASME VIII div 1 app 22 + CRN
41 PED2014/68/EU + ABS	94 PED2014/68/EU + ASME VIII div 1 app 22
43 PED2014/68/EU, article 4.3 + ABS	AA PED2014/68/EU + NR13
48 ASME VIII div 1 app 22	AE ASME VIII div 1 + NR13
71 CUTR 032/2013	AU ASME VIII div 1 + CUTR 032/2013
83 PED2014/68/EU + AS1210	
85 PED2014/68/EU, article 4.3 + SELO	

Material (Shell and Fluid Port)

A All parts in carbon steel with Epoxy paint for shell only [-40°C;+80°C]
 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 [-40°C;+80°C]
 R Carbon Steel shell + Int- Ext Protection Blue Rilsan 200-300 µ + stainless steel fluid port and valve
 Z Special

Bladder Mix

02 Mix 02 [-32°C;+115°C] Hydrin C	37 For Mix 37 [-59°C;+110°C] Nitrile Extreme Low Temp
10 Mix 10 [-30°C;+80°C] Nitrile Low Temperature	40 For Mix 40 [-15°C;+120°C] Butyl
20 Mix 20 [-6°C;+100°C] Nitrile Heavy Duty	47 For Mix 47 [-40°C;+120°C] EPDM
25 Mix 25 [-20°C;+100°C] Nitrile standard	80 For Mix 80 [-20°C;+140°C] Viton
30 Mix 30 [-5°C;+115°C] Nitrile Low Permeability	E2 For Mix E2 [-15°C;+100°C] Nitrile
35 Mix 35 [0°C;+130°C] Nitrile high temperature	XL For Mix XL [-10°C;+100°C] Nitrile very low permeation

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	ASME certified accumulator according to ASME VIII Div.1 :
EZ ATEX	D2 Standard documentation + Descriptive statement + Design calculation note	30 MWP = 3000 psi (207 bar)
EZ ATEX with other special configuration	ZZ Special configuration or several options	36 MWP = 3600 psi (248 bar)
EU All components sourced in EU		40 MWP = 4000 psi (276 bar)
SP Special painting		50 MWP = 5000 psi (345 bar)

Precharge @ 20°C in Bar

When at storage pressure (Keep empty)*

*Parker precharge accumulator with 2 Bar for storage

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