

# EHV Series: How to order a high pressure accumulator

~~EHV~~ 50 - 330 /90 -A40GB - 200  
~~EHV~~ 24,5 - 330 /90 -A25GA-200/100

## Product Type

- X EHV High pressure bladder
- ETHV High pressure transfer bladder
- EHV F 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

x 50 for 50 Liters

## Maximum Working Pressure

- 120 for 120 bar max working pressure (stainless steel range)
- X 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 | X 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)

- X 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  | X 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)      | X 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)        | M 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)    | N Metric M40 x1,5                             |   |
| E Gas cyl. 1"1/4" DA (max flow rate: 570L/min) |   |   |

## 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              |
| X 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
- X 2 Fluid Type 2 - CE Fluid Group 2

## Special

- |   |  |   |
|---|--|---|
| X 00 No Special features or configuration | D1 Standard documentation + Leak test report                                 | ASME certified accumulator according to ASME VIII Div.1 : |
| EX ATEX                                   | D2 Standard documentation + Descriptive state-ment + 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

Volume in Litres	Max. Working Pressure (bar)	Effective Gas vol. Litres	Max. Working pressure (PS) bar	Max Flow Rate l/min	Admissible Accumulator Temperature min/max (°C) (1)	Weight kg	Gas connection	Dimensions in mm							
								A max Height	B	C	øD	ød	øE	F on flats	G connection
EHV 10L	330	9.2	330	900	-20/+80	31	7/8" 14 UNF	587	103	66	226	23	101	70	G2"
EHV 12L	330	11.0	330	900	-20/+80	36	7/8" 14 UNF	687	103	66	226	23	101	70	G2"
EHV 20L	330	17.8	330	900	-20/+80	49	7/8" 14 UNF	897	103	66	226	23	101	70	G2"
EHV 24.5L	330	22.5	330	900	-20/+80	56	7/8" 14 UNF	1032	103	66	226	23	101	70	G2"
EHV 32L	330	32	330	900	-20/+80	81	7/8" 14 UNF	1420	103	66	226	22.5	101	70	G2"
EHV 50L	330	49	330	900	-20/+80	110	7/8" 14 UNF	1936	103	66	226	22.5	101	70	G2"

(1)Temperature range can change depending on shell and elastomer material. Please see bladder materials and Type (page 87)

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

