EHV Series: How to order a high pressure accumulator

EHV 24,5**- 330 /**90**-A**25**G**A**-2**00**/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
11	PED2014/68/EU + BV Marine
13	PED2014/68/EU, article 4.3 + BV Marine
23	PED2014/68/EU, article 4.3 + ABS
24	PED2014/68/EU + DNVGL
41	PED2014/68/EU + ABS
43	PED2014/68/EU, article 4.3 + ABS
48	ASME VIII div 1 app 22
71	CUTR 032/2013
83	PED2014/68/EU + AS1210
85	PED2014/68/EU, article 4.3 + SELO
86	PED2014/68/EU + ASME VIII div 1 app 22 + SELO
88	PED2014/68/EU + SELO
90	PED2014/68/EU
91	ASME VIII div 1 app 22 + AS1210
92	ASME VIII div 1 app 22 + CRN
94	PED2014/68/EU + ASME VIII div 1 app 22
AA	PED2014/68/EU + NR13
AE	ASME VIII div 1 + NR13
AU	ASME VIII div 1 + CUTR 032/2013

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
10	Mix 10 [-30°C;+80°C] Nitrile Low Temperature
20	Mix 20 [-6°C;+100°C] Nitrile Heavy Duty
25	Mix 25 [-20°C;+100°C] Nitrile standard
30	Mix 30 [-5°C;+115°C] Nitrile Low Permeability
35	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
E2	For Mix E2 [-15°C;+100°C] Nitrile
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
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 state-ment + 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)*

*Parker precharge accumulator with 2 Bar for storage

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