



# High Pressure Bladder Accumulators - EHV Series

330 bar to 690 bar



ENGINEERING YOUR SUCCESS.

# CADE -

# Cylinder and Accumulator Division Europe

Made in Europe - serving all markets and industries

**Parker CADE UK**  
Sandycroft, (Chester)

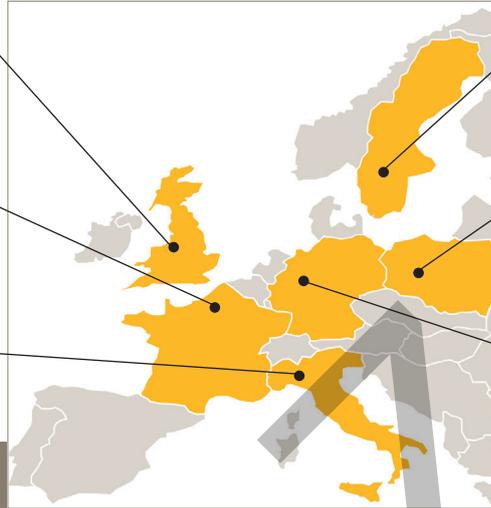
**Parker CADE France**  
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**Parker CADE Italy**  
Arsago

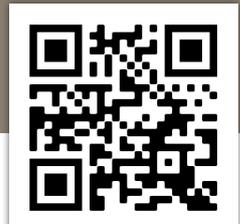
**Parker CADE Sweden**  
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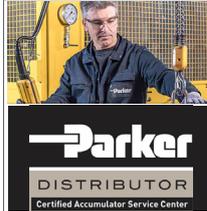
**Parker CADE Germany**  
Cologne



[www.parker/acde](http://www.parker/acde)



Our product range - click for more detail:

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| <br>Bladder Accumulators | <br>Piston Accumulators | <br>Membrane Accumulators | <br>Pulsation Dampers     | <br>Gas Bottles         | <br>Accessories                 |
| <br>Air-Oil Coolers      | <br>Water-Oil Cooler    | <br>QPM Pump              | <br>Tierod Cylinders     | <br>Mill-type Cylinders | <br>HELAC®<br>Helical Actuators |
| <br>Service Center      |  |  | <br>Service and Support |  | <br>Cross Reference Tool        |

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If you are using an electronic version of this catalogue this icon will take you back to this **HOW TO ORDER** page upon clicking.



If you are using an electronic version of this catalogue this icon will take you to the **EHV CONFIGURATOR** on parker.com.



## Parker – committed to your success

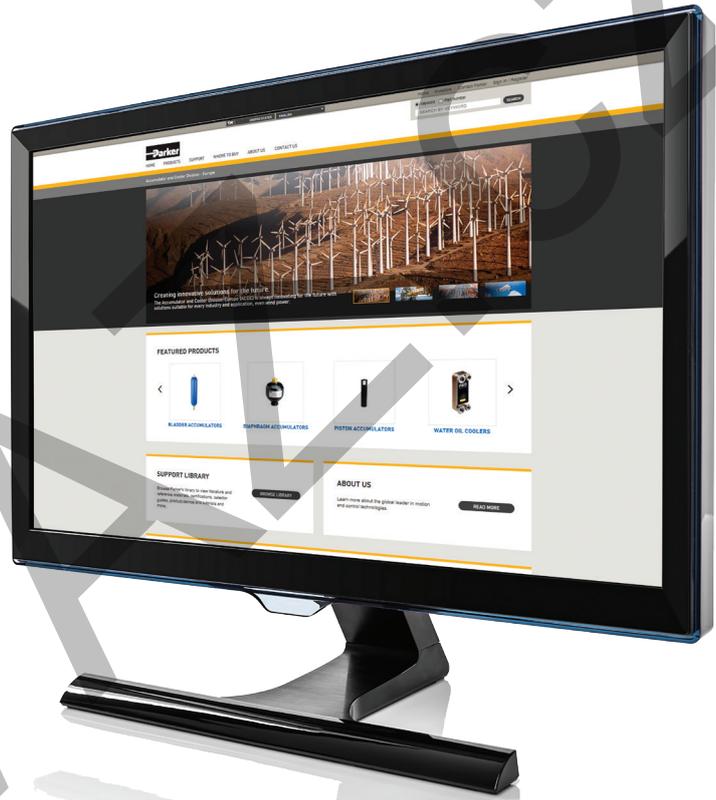
Parker Hannifin is the global leader in motion and control technologies. We employ more than 58,000 people in 48 countries, providing our customers with technical excellence and first class customer service. Parker is the world's largest supplier of hydraulic cylinders for industrial applications.

When you partner with Parker, you gain access to a vast range of resources designed to increase your productivity and profitability.

### Online Support

You can find the latest product information on the Parker website. Designed to be accessible via desktops, tablets and smart phones you can download software, brochures, manuals and 3D models.

All of the latest product news and contact information is also included on the website.



[www.parker.com/acde](http://www.parker.com/acde)



### **WARNING – USER RESPONSIBILITY**

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker-Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.

The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.

To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

### **Offer of Sale**

Please contact your Parker representation for a detailed 'Offer of Sale'.

## Introduction: High Pressure Bladder Accumulators

Designed for high pressure hydraulic systems the EHV bladder accumulator is available in carbon & stainless steel.

The EHV bladder accumulator offers a reliable and efficient solution for storing energy under pressure. Utilizing comprehensive tools and resources including an applications database, CAD/CAM, finite element analysis, reliability studies and simulation we have optimized the design and performance of the accumulator. Parker Olaer bladder accumulators are suitable for use in more than 35 countries (all hydraulic accumulators for Europe are CE marked) and they can meet an extensive range of international and industry approvals.

Rigorous product testing and continuous product development help to ensure our hydraulic accumulators operate at optimum efficiency and can perform in the most demanding environments. Parker accumulator accessories such as Safety Blocks, Burst Discs and Permanent Charging Sets, can aid the safe installation and operation of the accumulators in any hydraulic system.

## Target Markets

Industrial - Defense - Renewable Energy - Marine - Mining - Off-Road - Oil & Gas - Processing - Rail

## Applications

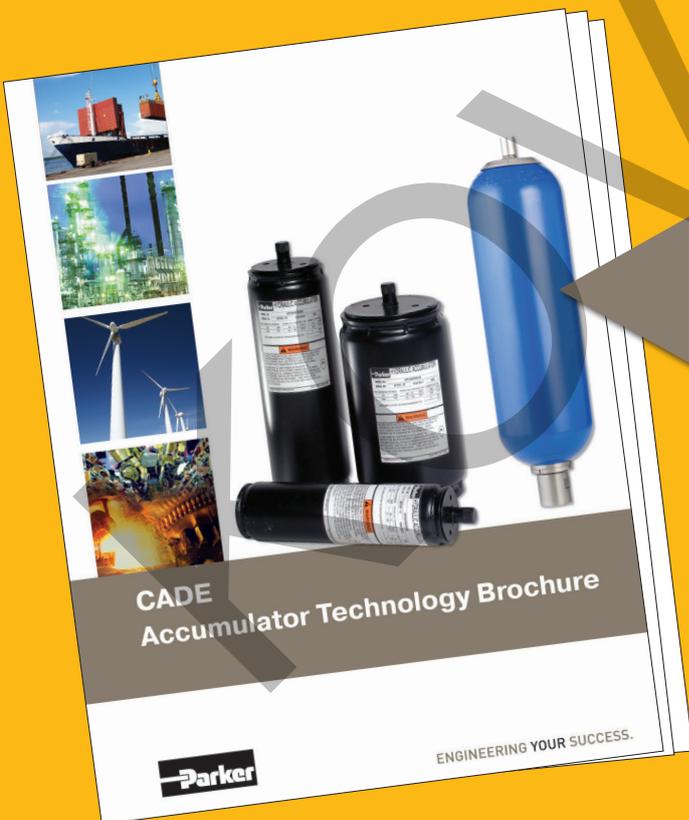
Hydraulic Power Units - Ship Cranes - Wind Turbines - Plastic Presses - Tooling Machines - Construction / Offroad Machinery - Machine Tools





## Features/Benefits

- Extensive range of international and industry approvals (PED 2014/68/EU, EN 14359, ATEX, ASME VIII div 1, SELO, CRN, AS1210, NR13, CUTR, DNV, BV Marine, ABS and DNV GL)
- Rigorous product testing and continuous product development
- Large selection of materials and fittings to suit every hydraulic system.
- Parker Olaer offers a wealth of product knowledge and experience thus enabling us to provide first class technical support and customer service.
- Parker Olaer offer a wide range of accessories for bladder accumulator utilization (e.g. burst disk, pressure gauge adaptor, etc... )  
Please, consult PARKER



See the CADE  
Accumulator Technology Brochure

Parker Accumulator Technology has many years of experience in the research & development, design and production of hydraulic accumulators. Bladder, piston and membrane accumulators, plus accessories from Parker form an highly competitive range. Our products support hydraulic systems in almost all sectors.

Using accumulators improves the performance of the whole system, on the one hand, this means greater safety and comfort for operator and machine. On the other hand, Parker accumulators enable efficient working in all applications.

## Technical Specifications

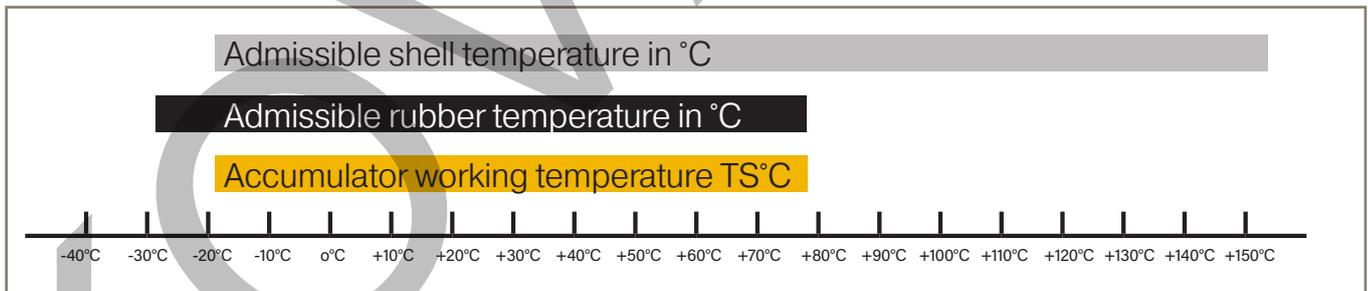
The accumulator comprises a forged or welded steel shell, a rubber bladder and anti-extrusion system. The standard range, as presented in this catalogue, features\*:

|  |  |
|--|--|
| Volume:                                | 0.2 to 57 Liters   |
| Pressure:                              | 330 to 690 bar   |
| Shell Material:                        | Shell carbon steel with primar coating , fluid port and stem valve cabrbon steel zinc plated. Optional other materials |
| Bladder Materials:                     | Various bladder materials available which are compatible with a wide range of fluids and temperatures.                 |
| Fluid Port:                            | including anti-extrusion system  |
| Approvals:                             | PED 2014/68/EU, ATEX, ASME VIII div 1, SELO, CUTR, DNV, BUREAU VERITAS MARINE, ABS, DNV GL.                            |
| Specials:                              | For special constructions please consult Parker.   |
| Maximum pressure differential (P2/P0): | 4:1  |
| Nitrogen gas pressure:                 | The maximum pressure (PS) with nitrogen purity > 99.8% N2 class 2.8, is indicated on the accumulator.                  |

Check that the maximum allowable pressure is greater than that of the hydraulic system.

\*For more options please see the configurator on [parker.com](http://parker.com) or consult your Parker representative.

## ACCUMULATOR WORKING TEMPERATURE DETERMINATION EXAMPLE :



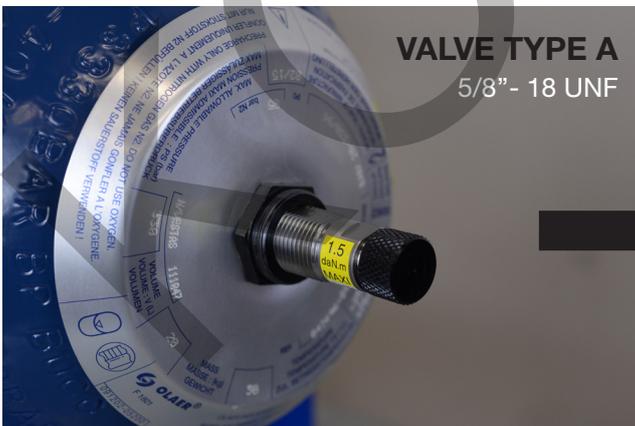


**VALVE TYPE C:  
 NEW STANDARD FOR EHV  
 BLADDER ACCUMULATORS\***

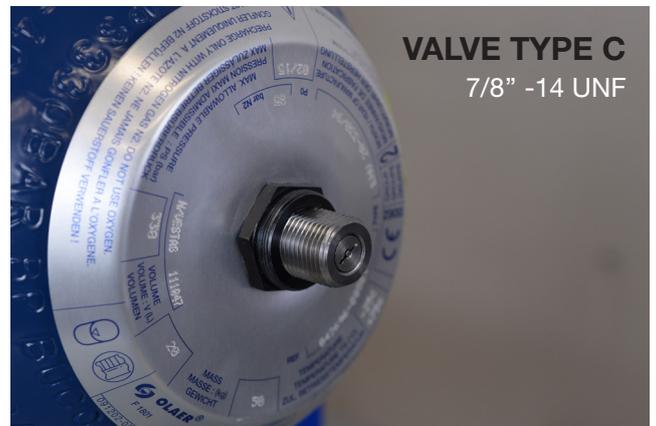


The new standard features an internal valve, thus

- no radial stress applied to valve
- no risk of disconnecting the gas valve when unscrewing the charging kit
- same length with protective cap; shorter valve means more space for charging kit connection
- avoiding fracture in case of shock
- charging adapter included in standard charging kit
- single adapter for controlling and refilling gas - fits the complete EHV and range



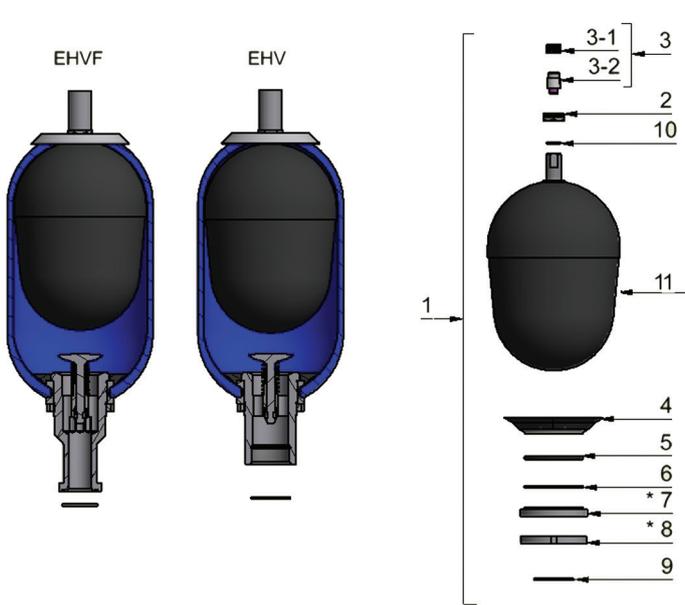
**VALVE TYPE A**  
 5/8" - 18 UNF



**VALVE TYPE C**  
 7/8" - 14 UNF

**\*All EHV (1L - 57L) bladder accumulators will be supplied with valve type C from now on.**

## Spare Parts



| Item | Spare parts                           |
|------|---------------------------------------|
| 1    | Spare Parts Kit                       |
| 2    | Valve nut                             |
| 3    | Gas valve Assembly                    |
| 3.1  | Gas valve                             |
| 3.2  | Gas valve plug                        |
| 4    | Anti-extrusion ring                   |
| 5    | Fluid port seal                       |
| 6    | Back up seal ring                     |
| 7*   | Spacer                                |
| 8*   | Locking nut                           |
| 9    | O-ring fluid port                     |
| 10   | Back up ring (depending on the model) |
| 11   | Bladder                               |

\* Not included in the bladder kit

**Regulations and Protections**  
EBV and EHV series

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## Accumulator Regulations and Protections

Due to our vast experience in demanding markets such as aerospace, military, nuclear, renewable energies and formula one racing, we are offering an unmatched range of rubber compounds to meet the most difficult applications.

Parker Olaer products are supported all over the globe, and we will meet customer requirements wherever needed. We therefore offer the complete range of approvals, such as all key Marine approvals (BV, DNV, ABS, LR, ...), over and above all country specific approvals (PED, AS 1210, ASME, SELO, CRN, ARH, CUTR, ...)

please refer to this document for further information

**MSG01-6975**

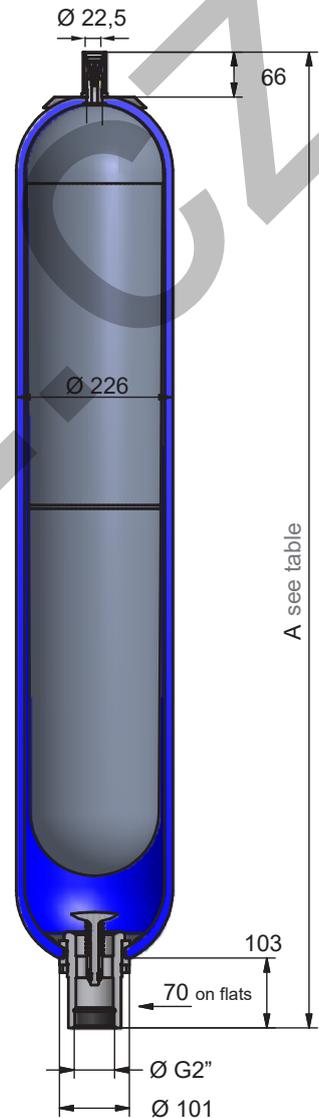


## EHV series 330 bar, 10 to 50 Liters

Standard version (Carbon Steel shell/NBR mix) compatible with mineral oils <sup>2</sup>.  
 According to PED 2014/68/EU, EN 14359, Fluid Group 2 <sup>3</sup>.

|  |   |
|--|---|
| Max. working pressure: 330 bar         | Temperature Range: -20°C to 80°C <sup>1</sup> |
| Max. flow rate: 900 l/min <sup>4</sup> | Gas Connection: 7/8" 14 UNF                   |

| Type<br>Part number                      | Valve type,<br>(see drawing) | Effective<br>Gas vol.<br>Liters | Weight<br>kg | A<br>max. Height* |
|--|------------------------------|---------------------------------|--------------|-------------------|
| EHV 10-330/90-A25GC-200<br>10837001125   | C                            | 9.2                             | 31           | 587               |
| EHV 10-330/90-A25GB-200<br>10865401125   | B                            |                                 |              |                   |
| EHV 12-330/90-A25GC-200<br>10867101125   | C                            | 11.0                            | 36           | 687               |
| EHV 12-330/90-A25GB-200<br>10867401125   | B                            |                                 |              |                   |
| EHV 20-330/90-A25GC-200<br>10837101125   | C                            | 17.8                            | 49           | 897               |
| EHV 20-330/90-A25GB-200<br>10865501125   | B                            |                                 |              |                   |
| EHV 24,5-330/90-A25GC-200<br>10837201125 | C                            | 22.5                            | 56           | 1032              |
| EHV 24,5-330/90-A25GB-200<br>10865601125 | B                            |                                 |              |                   |
| EHV 32-330/90-A25GC-200<br>10837301125   | C                            | 32                              | 81           | 1420              |
| EHV 32-330/90-A25GB-200<br>10865701125   | B                            |                                 |              |                   |
| EHV 50-330/90-A25GC-200<br>11076701125   | C                            | 48.5                            | 110          | 1936              |
| EHV 50-330/90-A25GB-200<br>11076801125   | B                            |                                 |              |                   |



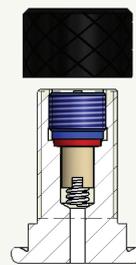
\* All dimensions in mm and are subject to manufacturing tolerances  
<sup>1</sup> Temperature range can change depending on shell and elastomer material. Please see bladder materials and Type (page 35)  
<sup>2</sup> For other fluids: consult Parker | <sup>3</sup> For Fluid group 1 consideration: consult Parker  
<sup>4</sup> Port & fitting size will become limiting factors for flow rate in most applications.

### Model of valve stem

B-type  
7/8" 14 UNF



C-type  
7/8" 14 UNF  
(integrated)



## EHV series 330 bar, 10 to 50 Liters / Spare Parts & Accessories

| Type Part Number                         | Adaptor* Threaded Part number | Clamps Model (quantity) Part number | Support Bracket Model Part number | Mounting Frame Model Part number | Lifting Eye Part number | Complete Repair Kit Model Part Number            |
|--|-------------------------------|-------------------------------------|-----------------------------------|----------------------------------|-------------------------|--|
| EHV 10-330/90-A25GC-200<br>10837001125   | G 1" cyl<br>04557000223       | D226 2<br>20251503648               | CE159A<br>20109003620             | EF2<br>20217600125               | 10912700200             | KIT EHV 10-330<br>DIA22 VALVE C<br>19028900225   |
| EHV 10-330/90-A25GB-200<br>10865401125   |                               |                                     |                                   |                                  |                         | KIT EHV 10-330<br>DIA22 VALVE B<br>19035800225   |
| EHV 12-330/90-A25GC-200<br>10867101125   | G 1" cyl<br>04557000223       | D226 2<br>20251503648               | CE159A<br>20109003620             | EF2<br>20217600125               | 10912700200             | KIT EHV 12-330<br>DIA22 VALVE C<br>19032100225   |
| EHV 12-330/90-A25GB-200<br>10867401125   |                               |                                     |                                   |                                  |                         | KIT EHV 12-330<br>DIA22 VALVE B<br>19035900225   |
| EHV 20-330/90-A25GC-200<br>10837101125   | G 1" cyl<br>04557000223       | D226 2<br>20251503648               | CE159A<br>20109003620             | EF2<br>20217600125               | 10912700200             | KIT EHV 20-330<br>DIA22 VALVE C<br>19029000225   |
| EHV 20-330/90-A25GB-200<br>10865501125   |                               |                                     |                                   |                                  |                         | KIT EHV 20-330<br>DIA22 VALVE B<br>19036000225   |
| EHV 24,5-330/90-A25GC-200<br>10837201125 | G 1" cyl<br>04557000223       | D226 2<br>20251503648               | CE159A<br>20109003620             | EF2<br>20217600125               | 10912700200             | KIT EHV 24.5-330<br>DIA22 VALVE C<br>19029400225 |
| EHV 24,5-330/90-A25GB-200<br>10865601125 |                               |                                     |                                   |                                  |                         | KIT EHV 24.5-330<br>DIA22 VALVE B<br>19036300225 |
| EHV 32-330/90-A25GC-200<br>10837301125   | G 1" cyl<br>04557000223       | D226 2<br>20251503648               | CE159A<br>20109003620             | EF3<br>20217700125               | 10912700200             | KIT EHV 32-330<br>DIA22 VALVE C<br>19029100225   |
| EHV 32-330/90-A25GB-200<br>10865701125   |                               |                                     |                                   |                                  |                         | KIT EHV 32-330<br>DIA22 VALVE B<br>19036100225   |
| EHV 50-330/90-A25GC-200<br>11076701125   | G 1" cyl<br>04557000223       | D226 2<br>20251503648               | CE159A<br>20109003620             | EF3<br>20217700125               | 10912700200             | KIT EHV 50-330<br>DIA22 VALVE C<br>19054100225   |
| EHV 50-330/90-A25GB-200<br>11076801125   |                               |                                     |                                   |                                  |                         | KIT EHV 50-330<br>DIA22 VALVE B<br>19054200225   |

\*For more adaptor options see page 32

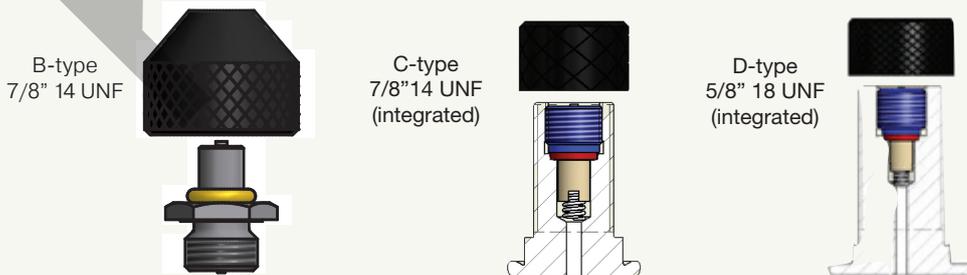
## EHV series 350 bar, 0.2 to 10 Liters

Standard version (Carbon Steel shell/NBR mix) compatible with mineral oils <sup>2</sup>.  
 According to PED 2014/68/EU, EN 14359, Fluid Group 2 <sup>3</sup>.

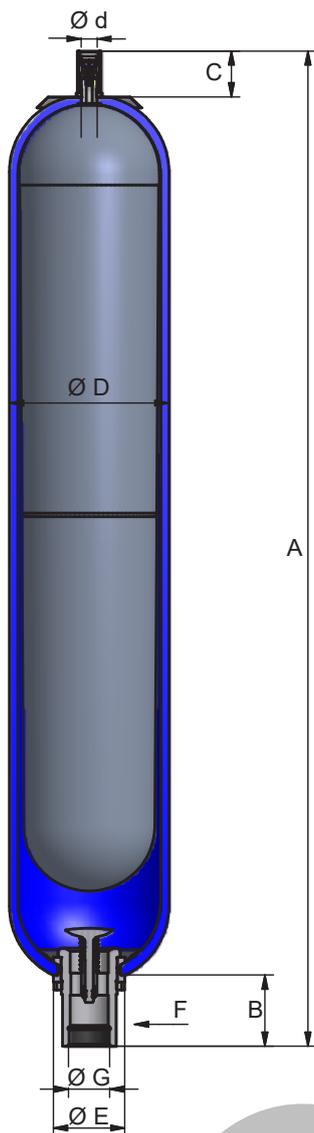
|                                |                                  |
|--------------------------------|----------------------------------|
| Max. working pressure: 350 bar | Temperature Range: -20°C to 80°C |
|                                | Gas Connection: 7/8" 14 UNF      |

| Type<br>Part number                                   | Valve type<br>(see drawing) | Effective<br>Gas vol.<br>Liters | Max Flow<br>Rate l/min <sup>4</sup> | Weight<br>kg |
|---|-----------------------------|---------------------------------|-------------------------------------|--------------|
| EHV 0.2-350/00-A20AD-200* <sup>5</sup><br>10876301120 | D                           | 0.17                            | 120                                 | 2,5          |
| EHV 0.5-350/00-A25BD-200*<br>10876401125              | D                           | 0.6                             | 240                                 | 3            |
| EHV 1-350/00-A25BC-200*<br>10845601125                | C                           | 1                               | 240                                 | 6            |
| EHV 1-350/00-A25BB-200*<br>10866901125                | B                           |                                 |                                     |              |
| EHV 1.6-350/90-A25BC-200<br>10998301125               | C                           | 1.6                             | 240                                 | 8            |
| EHV 1.6-350/90-A25BB-200<br>11123501125               | B                           |                                 |                                     |              |
| EHV 2.5-350/90-A25DC-200<br>10854701125               | C                           | 2                               | 450                                 | 11           |
| EHV 2.5-350/90-A25DB-200<br>10866601125               | B                           |                                 |                                     |              |
| EHV 4-350/90-A25DC-200<br>10845401125                 | C                           | 3.7                             | 450                                 | 15           |
| EHV 4-350/90-A25DB-200<br>10866101125                 | B                           |                                 |                                     |              |
| EHV 5-350/90-A25DC-200<br>10861201125                 | C                           | 5                               | 450                                 | 17           |
| EHV 5-350/90-A25DB-200<br>10866701125                 | B                           |                                 |                                     |              |
| EHV 6-350/90-A25DC-200<br>10857401125                 | C                           | 6.0                             | 450                                 | 20           |
| EHV 6-350/90-A25DB-200<br>10866201125                 | B                           |                                 |                                     |              |
| EHV 10-350/90-A25DC-200<br>10859701125                | C                           | 10                              | 450                                 | 31           |
| EHV 10-350/90-A25DB-200<br>10866301125                | B                           |                                 |                                     |              |

Model of valve stem



\* According to Article 4.3 PED 2014/68/EU  
<sup>1</sup> Temperature range can change depending on shell and elastomer material.  
 Please see bladder materials and Type (page 35)  
<sup>2</sup> For other fluids: consult Parker | <sup>3</sup> For Fluid group 1 consideration: consult Parker  
<sup>4</sup> Port & fitting size will become limiting factors for flow rate in most applications.  
<sup>5</sup> Gas connection: 5/8" 18 UNF, temperature range: -6°C to 80°C



| Type    | Dimensions in mm |    |    |                 |                 |                 |            |              |
|---------|------------------|----|----|-----------------|-----------------|-----------------|------------|--------------|
|         | A max Height     | B  | C  | $\varnothing D$ | $\varnothing d$ | $\varnothing E$ | F on flats | G connection |
| EHV 0.2 | 268              | 38 | 27 | 58              | 16              | 39              | 24         | G 1/2"       |
| EHV 0.5 | 260              | 54 | 27 | 91              | 16              | 50              | 32         | G 3/4"       |
| EHV 1   | 330              | 54 | 66 | 116             | 22.5            | 50              | 32         | G 3/4"       |
| EHV 1.6 | 442              | 54 | 66 | 116             | 22.5            | 50              | 32         | G 3/4"       |
| EHV 2.5 | 549              | 66 | 66 | 116             | 22.5            | 68              | 50         | G 1 1/4"     |
| EHV 4   | 434              | 65 | 66 | 170             | 22.5            | 68              | 50         | G 1 1/4"     |
| EHV 5   | 898              | 66 | 66 | 116             | 22.5            | 68              | 50         | G 1 1/4"     |
| EHV 6   | 560              | 65 | 66 | 170             | 22.5            | 68              | 50         | G 1 1/4"     |
| EHV 10  | 825              | 65 | 66 | 170             | 22.5            | 68              | 50         | G 1 1/4"     |

**EHV series 350 bar, 0.2 to 10 Liters / Spare Parts & Accessories**

| Type                      | Adaptor**/<br>Threaded<br>Part<br>number | Clamps /<br>Model<br>(quantity)<br>Part number | Support<br>Bracket /<br>Model<br>Part number | Mounting<br>Frame /<br>Model<br>Part number | Lifting Eye<br>on gas side /<br>Model<br>Part number | Complete Repair Kit /<br>Model<br>Part number   |
|---------------------------|--|--|--|---|--|---|
| EHV 0.2-350/00-A20AD-200* | G 1/4" cyl<br>04556500223                | A56 1<br>20149203625                           |  |   |  | KIT EHV 0.2-350<br>D16 VALVE D<br>19001000220   |
| EHV 0.5-350/00-A25BD-200* | G 3/8" cyl<br>04556400223                | E95 1<br>20250803648                           |  |   |  | KIT EHV 0.5-350<br>D16 VALVE D<br>19001100225   |
| EHV 1-350/00-A25BC-200*   | G 3/8" cyl<br>04556400223                | E114 1<br>20251003648                          | CE 89<br>20151903620                         |   |  | KIT EHV 1-350<br>DIA22 VALVE C<br>19029700225   |
| EHV 1-350/00-A25BB-200*   |  |  |  |   |  | KIT EHV 1-350<br>DIA22 VALVE B<br>19036400225   |
| EHV 1.6-350/90-A25BC-200  | G 3/8" cyl<br>04556400223                | E114 1<br>20251003648                          | CE 89<br>20151903620                         |   |  | KIT EHV 1.6-350<br>DIA22 VALVE C<br>19060700225 |
| EHV 1.6-350/90-A25BB-200  |  |  |  |   |  | KIT EHV 1.6-350<br>DIA22 VALVE B<br>19061000225 |
| EHV 2.5-350/90-A25DC-200  | G 3/4" cyl<br>04555200223                | E114 2<br>20251003648                          | CE 89<br>20151903620                         |   | 10912700200  | KIT EHV 2.5-350<br>DIA22 VALVE C<br>19029800225 |
| EHV 2.5-350/90-A25DB-200  |  |  |  |   |  | KIT EHV 2.5-350<br>DIA22 VALVE B<br>19036500225 |
| EHV 4-350/90-A25DC-200    | G 3/4" cyl<br>04555200223                | E168 1<br>20251303648                          | CE108<br>20118703620                         | EF1<br>20217500125                          | 10912700200  | KIT EHV 4-350<br>DIA22 VALVE C<br>19029900225   |
| EHV 4-350/90-A25DB-200    |  |  |  |   |  | KIT EHV 4-350<br>DIA22 VALVE B<br>19036600225   |
| EHV 5-350/90-A25DC-200    | G 3/4" cyl<br>04555200223                | E114 2<br>20251003648                          | CE 89<br>20151903620                         |   | 10912700200  | KIT EHV 5-350<br>DIA22 VALVE C<br>19030000225   |
| EHV 5-350/90-A25DB-200    |  |  |  |   |  | KIT EHV 5-350<br>DIA22 VALVE B<br>19036700225   |
| EHV 6-350/90-A25DC-200    | G 3/4" cyl<br>04555200223                | E168 2<br>20251303648                          | CE108<br>20118703620                         | EF1<br>20217500125                          | 10912700200  | KIT EHV 6-350<br>DIA22 VALVE C<br>19030100225   |
| EHV 6-350/90-A25DB-200    |  |  |  |   |  | KIT EHV 6-350<br>DIA22 VALVE B<br>19036800225   |
| EHV 10-350/90-A25DC-200   | G 3/4" cyl<br>04555200223                | E168 2<br>20251303648                          | CE108<br>20118703620                         | EF1<br>20217500125                          | 10912700200  | KIT EHV 10-350<br>DIA22 VALVE C<br>19030200225  |
| EHV 10-350/90-A25DB-200   |  |  |  |   |  | KIT EHV 10-350<br>DIA22 VALVE B<br>19036900225  |

\*\* for more adaptors option see page 32

# NEW

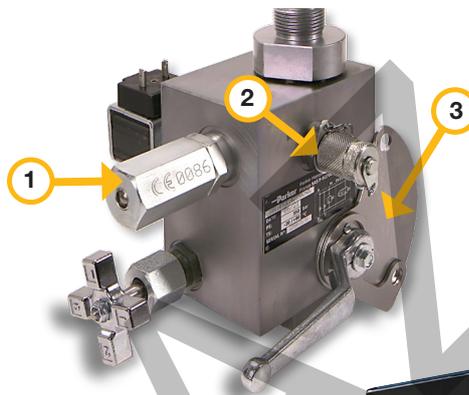
## Safety Block SB Series

The new SB safety block for accumulator is engineered for industrial applications, protecting accumulators against pressure peaks according to PED 2014/68/EU including CE marked pressure relief valve.

- Setted and sealed safety valve to protect against pressure peak
- Zinc plated for optimum corrosion resistance, conforms to ISO 9227
- Manual drain control or electrical drain control option
- Approved process for the settings of pressure relief valve

### KEY FEATURES

- ✓ Easy Designing
- ✓ Easy Engineering
- ✓ Easy Selection
- ✓ Easy Installation
- ✓ Easy Usage
- ✓ Easy Maintenance

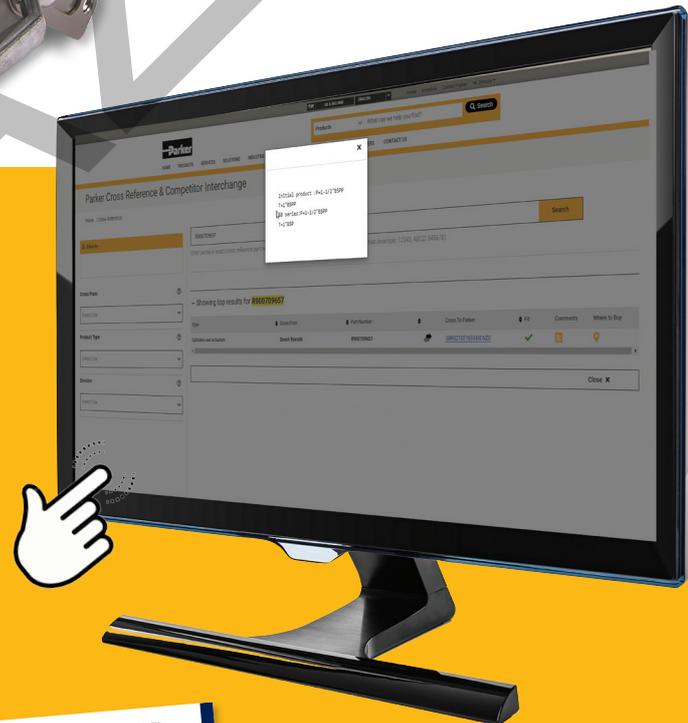


### Unique Parker Features

1. Pressure Relief Valve
2. Pressure Test Point
3. Hex Head Screw



See Parker's cross reference tool on [parker.com](http://parker.com) to find a SB replacement for all previous safety block series or competitor interchange.

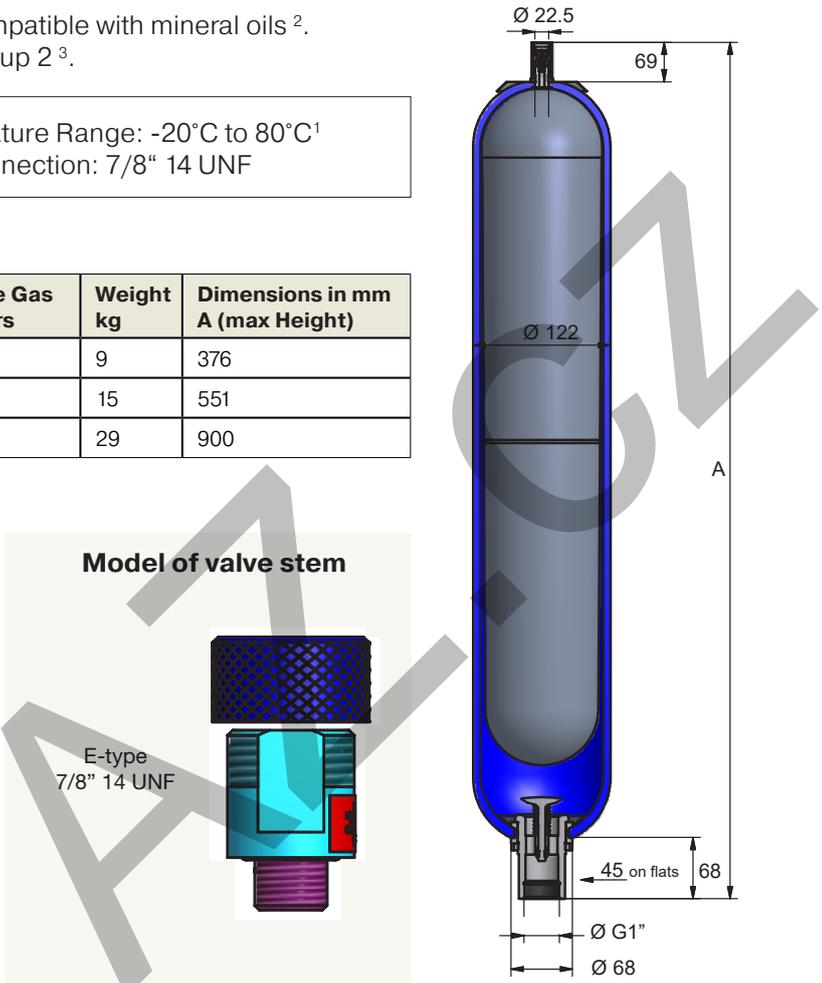


## EHV series 690 bar, 1 to 5 Liters

Standard version (Carbon Steel shell/NBR mix) compatible with mineral oils <sup>2</sup>.  
 According to PED 2014/68/EU, EN 14359, Fluid Group 2 <sup>3</sup>.

|  |   |
|--|---|
| Max. working pressure: 690 bar         | Temperature Range: -20°C to 80°C <sup>1</sup> |
| Max. flow rate: 360 l/min <sup>4</sup> | Gas Connection: 7/8" 14 UNF                   |

| Type                     | Gas Valve (see drawing) | Effective Gas vol. Liters | Weight kg | Dimensions in mm A (max Height) |
|--------------------------|-------------------------|---------------------------|-----------|---------------------------------|
| EHV 1-690/00-A25CE-200*  | E                       | 1.1                       | 9         | 376                             |
| EHV 2.5-690/90-A25CE-200 | E                       | 2.4                       | 15        | 551                             |
| EHV 5-690/90-A25CE-200   | E                       | 5                         | 29        | 900                             |



## EHV series 690 bar, 1 to 5 Liters / Spare Parts & Accessories

| Type Part number                       | Adaptor** / Threaded Part number | Clamps / Model (quantity) Part number | Support Bracket / Model Part number | Lifting Eye on gas side / Model Part number | Complete Repair Kit / Model Part number         |
|--|----------------------------------|---------------------------------------|-------------------------------------|---|---|
| EHV 1-690/00-A25CE-200*<br>10910101125 | 04579500223                      | 20251003648                           | 20151903620                         | 10912700200                                 | KIT EHV 1-690<br>Dia22 Valve E<br>19043500225   |
| EHV .5-690/90-A25CE-200<br>10910201125 | 04579500223                      | 20251003648                           | 20151903620                         | 10912700200                                 | KIT EHV 2,5-690<br>Dia22 Valve E<br>19043600225 |
| EHV 5-690/90-A25CE-200<br>10910301125  | 04579500223                      | 20251003648                           | 20151903620                         | 10912700200                                 | KIT EHV 5-690<br>Dia22 Valve E<br>19043700225   |

<sup>1</sup>Temperature range can change depending on shell and elastomer material. Please see bladder materials and Type (page 35) |

<sup>2</sup> For other fluids consult Parker

<sup>3</sup> For Fluid group 1 consideration : consult Parker | For pre-charge over 300 bar please consult Parker

\*according to article 4.3 PED 2014/68/EU | \*\*For more adaptor options see page 32

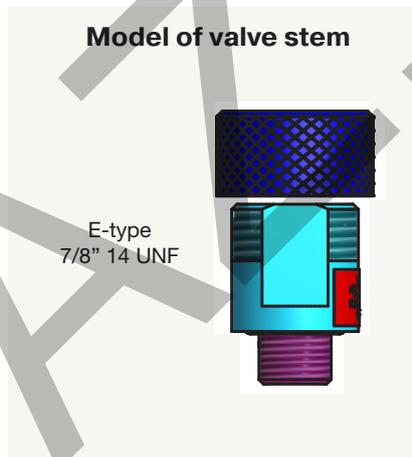
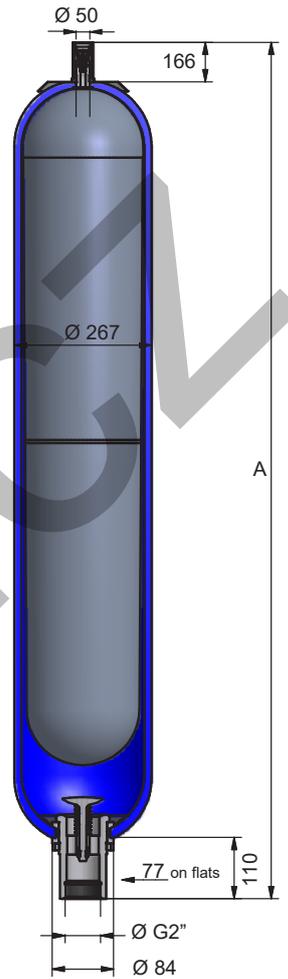
Above dimensions are in mm and are subject to manufacturing tolerances.

## EHV series 690 bar, 12 to 54 Liters

Standard version (Carbon Steel shell/NBR mix) compatible with mineral oils <sup>2</sup>.  
 According to PED 2014/68/EU, EN 14359, Fluid Group 2 <sup>3</sup>.

|  |   |
|--|---|
| Max. working pressure: 690 bar         | Temperature Range: -20°C to 80°C <sup>1</sup> |
| Max. flow rate: 300 l/min <sup>4</sup> | Gas Connection: 7/8" 14 UNF                   |

| Type                    | Gas Valve (see drawing) | Effective Gas vol. Liters | Weight kg | Dimensions in mm A (max Height) |
|-------------------------|-------------------------|---------------------------|-----------|---------------------------------|
| EHV 12-690/90-A25GE-200 | E                       | 11                        | 97        | 682                             |
| EHV 20-690/90-A25GE-200 | E                       | 16.5                      | 134       | 892                             |
| EHV 37-690/90-A25GE-200 | E                       | 33.4                      | 227       | 1417                            |
| EHV 54-690/90-A25GE-200 | E                       | 48                        | 318       | 1932                            |



## EHV series 690 bar, 12 to 54 Liters / Spare Parts & Accessories

| Type Part number                        | Adaptor / Threaded Part number | Clamps / Model (quantity) Part number | Support Bracket / Model Part number | Lifting Eye on gas side / Model Part number | Complete Repair Kit / Model Part number         |
|---|--------------------------------|---------------------------------------|-------------------------------------|---|---|
| EHV 690/90-A25GE-200<br>1203V-DC-691    | Consult Parker                 | 11060-DEE                             | Consult Parker                      | Consult Parker                              | KIT EHV 12-690<br>Dia 50 Valve E<br>19048200225 |
| EHV 20-690/90-A25GE-200<br>2003V-DC-691 |                                | 11060-DEE                             |                                     |   | KIT EHV 20-690<br>Dia 50 Valve E<br>19048300225 |
| EHV 37-690/90-A25GE-200<br>3703V-DC-691 |                                | 11060-DEE                             |                                     |   | KIT EHV 32-690<br>Dia 50 Valve E<br>19048400225 |
| EHV 54-690/90-A25GE-200<br>5403V-DC-691 |                                | 11060-DEE                             |                                     |   | KIT EHV 50-690<br>Dia 50 Valve E<br>19048500225 |

<sup>1</sup>Temperature range can change depending on shell and elastomer material. Please see bladder materials and Type (page 35) |

<sup>2</sup> For other fluids consult Parker

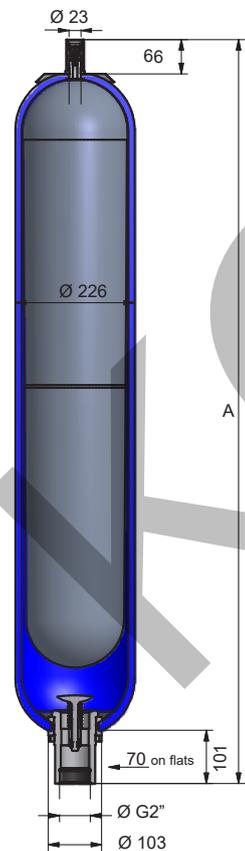
<sup>3</sup> For Fluid group 1 consideration : consult Parker | For pre-charge over 300 bar please consult Parker  
 Above dimensions are in mm and are subject to manufacturing tolerances.

## EHV series 330 bar, 10 to 50 Liters - MARINE

Standard version (Carbon Steel shell/NBR mix) compatible with mineral oils <sup>2</sup>.  
 According to PED 2014/68/EU, EN 14359, Fluid Group 2 <sup>3</sup>.

|                                |                                  |
|--------------------------------|----------------------------------|
| Max. working pressure: 330 bar | Temperature Range: -20°C to 80°C |
| Max. flow rate: 900 l/min      | Gas Connection: 7/8" 14 UNF      |

| Type     | Valve model<br>(see drawing) | /24 : PED & DNV GL                          | /11 : PED & BV MARINE                    | /41 : PED & ABS                             | Effective Gas vol.<br>Liters | Weight<br>kg | Dimensions<br>in mm /<br>A max<br>Height |
|----------|------------------------------|---|--|---|------------------------------|--------------|--|
| EHV 10   | B                            | EHV<br>10-330/24-A25GB-200<br>11168801125   | EHV 10-330/11-A25GB-200<br>10999501125   | EHV<br>10-330/41-A25GB-200<br>11165501125   | 9.2                          | 31           | 587                                      |
| EHV 20   | B                            | EHV<br>20-330/24-A25GB-200<br>11169001125   | EHV 20-330/11-A25GB-200<br>10999701125   | EHV<br>20-330/41-A25GB-200<br>11166601125   | 17.8                         | 49           | 897                                      |
| EHV 24.5 | B                            | EHV<br>24,5-330/24-A25GB-200<br>11169101125 | EHV 24,5-330/11-A25GB-200<br>10999801125 | EHV<br>24,5-330/41-A25GB-200<br>11166701125 | 22.5                         | 56           | 1032                                     |
| EHV 32   | B                            | EHV<br>32-330/24-A25GB-200<br>11169201125   | EHV 32-330/11-A25GB-200<br>10999901125   | EHV<br>32-330/41-A25GB-200<br>11166801125   | 32                           | 81           | 1420                                     |
| EHV 50   | B                            | EHV<br>50-330/24-A25GB-200<br>11169401125   | EHV 50-330/11-A25GB-200<br>11127901125   | EHV<br>50-330/41-A25GB-200<br>11167001125   | 49                           | 110          | 1936                                     |



### Model of valve stem

B-type  
7/8" 14 UNF



<sup>1</sup>Temperature range can change depending on shell and elastomer material. Please see bladder materials and Type (page 35) |  
<sup>2</sup> For other fluids consult Parker  
<sup>3</sup> For Fluid group 1 consideration : consult Parker |  
 For pre-charge over 300 bar please consult Parker  
 Above dimensions are in mm and are subject to manufacturing tolerances.

**EHV series 330 bar, 10 to 50 Liters - MARINE /  
 Spare Parts & Accessories**

| Type     | Adaptor* / Threaded Part number | Clamps / Model (quantity) Part number | Support Bracket / Model Part number | Mounting Frame / Model Part number | Lifting Eye on gas side / Model Part number | Complete Repair Kit / Model Part number          |
|----------|---------------------------------|---------------------------------------|-------------------------------------|------------------------------------|---|--|
| EHV 10   | G 1" cyl<br>04557000223         | D226 2<br>20251503648                 | CE159A<br>20109003620               | EF2<br>20217600125                 | 10912700200                                 | KIT EHV 10-330<br>DIA22 VALVE B<br>19035800225   |
| EHV 20   | G 1" cyl<br>04557000223         | D226 2<br>20251503648                 | CE159A<br>20109003620               | EF2<br>20217600125                 | 10912700200                                 | KIT EHV 20-330<br>DIA22 VALVE B<br>19036000225   |
| EHV 24.5 | G 1" cyl<br>04557000223         | D226 2<br>20251503648                 | CE159A<br>20109003620               | EF2<br>20217600125                 | 10912700200                                 | KIT EHV 24.5-330<br>DIA22 VALVE B<br>19036000225 |
| EHV 32   | G 1" cyl<br>04557000223         | D226 2<br>20251503648                 | CE159A<br>20109003620               | EF3<br>20217700125                 | 10912700200                                 | KIT EHV 32-330<br>DIA22 VALVE B<br>19036100225   |
| EHV 50   | G 1" cyl<br>04557000223         | D226 2<br>20251503648                 | CE159A<br>20109003620               | EF3<br>20217700125                 | 10912700200                                 | KIT EHV 50-330<br>DIA22 VALVE B<br>19054200225   |

\* For more adaptor options see page 32

## EHV series 350 bar, 0.5 to 10 Liters - MARINE

Standard version (Carbon Steel shell/NBR mix) compatible with mineral oils <sup>2</sup>.

|                                 |  |
|---------------------------------|--|
| Max. working pressure: 350 bar  | Temperature Range: -20°C to 80°C         |
| Max. flow rate: 240 - 450 l/min | Gas Connection: 7/8" 14 UNF <sup>3</sup> |

| Type     | /24 : PED&DNV GL<br>/43 : PED Article 4.3& DNV GL | /11 : PED&BV MARINE<br>/13 : PED Article 4.3& BV MARINE | /41 : PED&ABS<br>/23 : PED Article 4.3&ABS | Valve model<br>see drawing | Effective Gas vol.<br>Liters | Max Flow Rate<br>l/min | Weight (kg) |
|----------|---|---|--|----------------------------|------------------------------|------------------------|-------------|
| EHV 0.5* | EHV<br>0,5-350/43-A25BD-200<br>11151101125        |   | EHV<br>0,5-350/23-A25BD-200<br>11151001125 | D                          | 0.6                          | 240                    | 3           |
| EHV 1*   | EHV<br>1-350/43-A25BB-200<br>11168101125          | EHV<br>1-350/13-A25BB-200<br>11149501125                | EHV<br>1-350/23-A25BB-200<br>11165801125   | B                          | 1                            | 240                    | 6           |
| EHV 1.6  | EHV<br>1,6-350/24-A25BB-200<br>11168201125        | EHV<br>1,6-350/11-A25BB-200<br>11163301125              | EHV<br>1,6-350/41-A25BB-200<br>11165901125 | B                          | 1.6                          | 240                    | 8           |
| EHV 2.5  | EHV<br>2,5-350/24-A25DB-200<br>11168301125        | EHV<br>2,5-350/11-A25DB-200<br>11163401125              | EHV<br>2,5-350/41-A25DB-200<br>11166001125 | B                          | 2.4                          | 450                    | 11          |
| EHV 4    | EHV<br>4-350/24-A25DB-200<br>11168501125          | EHV<br>4-350/11-A25DB-200<br>10998101125                | EHV<br>4-350/41-A25DB-200<br>11166201125   | B                          | 3.7                          | 450                    | 15          |
| EHV 5    | EHV<br>5-350/24-A25DB-200<br>11168401125          | EHV<br>5-350/11-A25DB-200<br>11163501125                | EHV<br>5-350/41-A25DB-200<br>11166101125   | B                          | 5                            | 450                    | 17          |
| EHV 6    | EHV<br>6-350/24-A25DB-200<br>11168601125          | EHV<br>6-350/11-A25DB-200<br>11163601125                | EHV<br>6-350/41-A25DB-200<br>11166301125   | B                          | 6                            | 450                    | 20          |
| EHV 10   | EHV<br>10-350/24-A25DB-200<br>11168701125         | EHV<br>10-350/11-A25DB-200<br>11163701125               | EHV<br>10-350/41-A25DB-200<br>11166401125  | B                          | 10                           | 450                    | 31          |

<sup>1</sup>Temperature range can change depending on shell and elastomer material. Please see bladder materials and Type (page 35) |

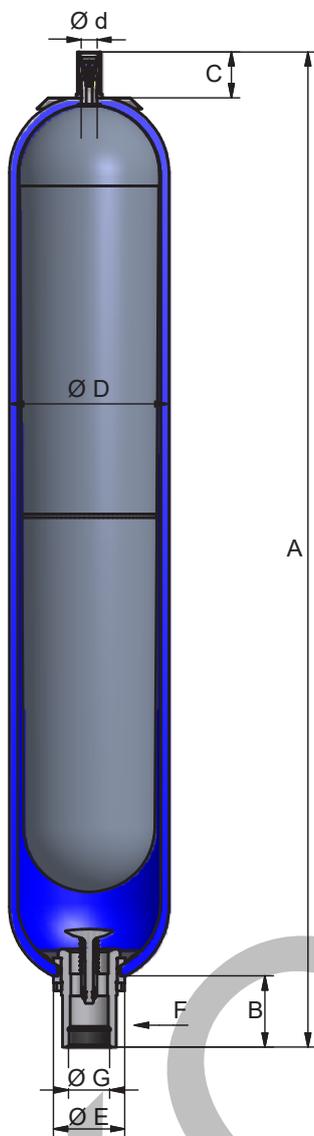
<sup>2</sup> For other fluids consult Parker

<sup>3</sup> 5/8" 18 UNF Gas Connection for EHV 0,5

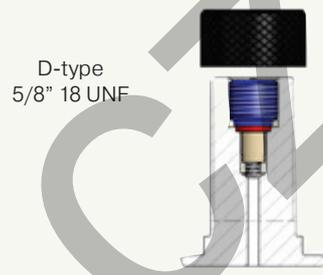
\* According to Article 4.3 PED 2014/68/EU

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

**EHV series 350 bar, 0.5 to 10 Liters - MARINE**



**Model of valve stem**



| Type    | Dimensions in mm |    |    |     |      |    |            |              |
|---------|------------------|----|----|-----|------|----|------------|--------------|
|         | A max Height     | B  | C  | øD  | ød   | øE | F on flats | G connection |
| EHV 0.5 | 260              | 54 | 27 | 91  | 16   | 50 | 32         | G 3/4"       |
| EHV 1   | 330              | 54 | 66 | 116 | 22.5 | 50 | 32         | G 3/4"       |
| EHV 1.6 | 442              | 54 | 66 | 116 | 22.5 | 50 | 32         | G 3/4"       |
| EHV 2.5 | 549              | 66 | 66 | 116 | 22.5 | 68 | 50         | G 1 1/4"     |
| EHV 4   | 434              | 65 | 66 | 170 | 22.5 | 68 | 50         | G 1 1/4"     |
| EHV 5   | 898              | 66 | 66 | 116 | 22.5 | 68 | 50         | G 1 1/4"     |
| EHV 6   | 560              | 65 | 66 | 170 | 22.5 | 68 | 50         | G 1 1/4"     |
| EHV 10  | 825              | 65 | 66 | 170 | 22.5 | 68 | 50         | G 1 1/4"     |

# Super Complete Charging Set

# SC-VGU

The SC-VGU charging kit is an indispensable device for adjusting, controlling and pre-charging accumulators.

Suitable for Parker and non-Parker accumulators and all accumulator technologies (bladder, piston and diaphragm) the SC-VGU Charging Kit is an essential tool for any accumulator maintenance company or service centre.



## BENEFITS

- **VERSATILE**
  - Suitable for most types of gas valve and all accumulator technologies bladder/piston/diaphragm
  - Suitable for Parker and non-Parker accumulators
- **CONVENIENT**
  - Comes in a portable case with strong hinge and fasteners
- **RELIABLE**
  - 4 pressure gauges ranging from 0-6 bar to 0-400 bar, enabling a more accurate pre-charge reading for low and high pressure requirements.

## SUPER COMPLETE CHARGING SET INCLUDES:

### 9 Different Adaptors

7/8"UNF (short), 7/8"UNF (long), 5/8"UNF, 0.302"(8V1), G 1/4", M28x1.5, M16x200, M16x150, 3/4"BSP HEX

### 4 Pressure Gauges

0 to 6 bar / 0 to 25 bar /  
0 to 250 bar / 0 to 400 bar

### 1 Extender Hose

For safe operation in tricky spaces

### 1 Gas Flow Limiter

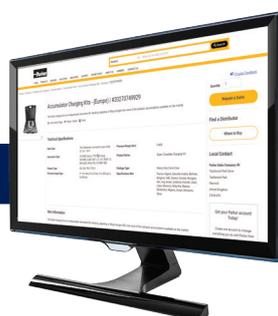
To control the initial pre-charge speed.

### Robust Case

## PART NUMBERS

| Part Number | Description       | Country     |
|-------------|-------------------|-------------|
| 20270749929 | SC-VGU.TM.9.TS2.9 | France      |
| 20270749939 | SC-VGU.TM.9.TS3.9 | Germany     |
| 20270749989 | SC-VGU.TM.9.TS8.9 | Italy       |
| 20270749999 | SC-VGU.TM.9.TS9.9 | Netherlands |

[VIEW DETAILS ON PARKER.COM](http://PARKER.COM)



**EHV series 350 bar, 0.5 to 10 Liters - MARINE /  
 Spare Parts & Accessories**

| Type    | Adaptor*<br>Threaded<br>Part number | Clamps<br>Model (quantity)<br>Part number | Support Bra-<br>cket<br>Model<br>Part number | Mounting Frame<br>Model<br>Part number | Lifting Eye on gas side<br>Model<br>Part number | Complete Repair Kit<br>Model<br>Part number     |
|---------|-------------------------------------|---|--|--|---|---|
| EHV 0,5 | G 3/8" cyl<br>04556400223           | E95 1<br>20250803648                      |  |  |   | KIT EHV 0.5-350<br>D16 VALVE D<br>19001100225   |
| EHV 1   | G 3/8" cyl<br>04556400223           | E114 1<br>20251003648                     | CE 89<br>20151903620                         |  |   | KIT EHV 1-350<br>DIA22 VALVE B<br>19036400225   |
| EHV 1.6 | G 3/8" cyl<br>04556400223           | E114 1<br>20251003648                     | CE 89<br>20151903620                         |  |   | KIT EHV 1.6-350<br>DIA22 VALVE B<br>19061000225 |
| EHV 2.5 | G 3/4" cyl<br>04555200223           | E114 2<br>20251003648                     | CE 89<br>20151903620                         |  | 19036500225                                     | KIT EHV 2.5-350<br>DIA22 VALVE B<br>19036500225 |
| EHV 4   | G 3/4" cyl<br>04555200223           | E168 1<br>20251303648                     | CE108<br>20118703620                         | EF1<br>20217500125                     | 10912700200                                     | KIT EHV 4-350<br>DIA22 VALVE B<br>19036600225   |
| EHV 5   | G 3/4" cyl<br>04555200223           | E114 2<br>20251003648                     | CE 89<br>20151903620                         |  | 10912700200                                     | KIT EHV 5-350<br>DIA22 VALVE B<br>19036700225   |
| EHV 6   | G 3/4" cyl<br>04555200223           | E168 2<br>20251303648                     | CE108<br>20118703620                         | EF1<br>20217500125                     | 10912700200                                     | KIT EHV 6-350<br>DIA22 VALVE B<br>19036800225   |
| EHV 10  | G 3/4" cyl<br>04555200223           | E168 2<br>20251303648                     | CE108<br>20118703620                         | EF1<br>20217500125                     | 10912700200                                     | KIT EHV 10-350<br>DIA22 VALVE B<br>19036900225  |

\* for more adaptors option see page 32

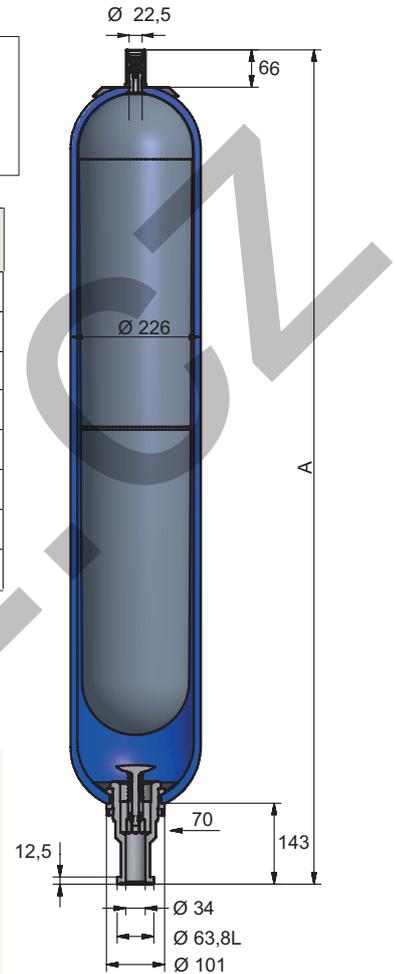
## EHV series 330 bar, 10 to 50 Liters - FLANGED FLUID PORT

Standard version (Carbon Steel shell/NBR mix) compatible with mineral oils <sup>2</sup>.

|                                  |  |
|----------------------------------|--|
| Max. working pressure: 330 bar   | Gas Connection: 7/8" 18 UNF              |
| Max. flow rate: 900 l/min        | Oil Connection Flange: 1" - 1/2 SAE 6000 |
| Temperature Range: -20°C to 80°C |  |

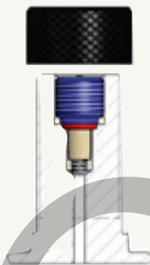
| Type                      | Valve model<br>see drawing | Effective Gas<br>vol. Liters | Weight<br>kg | Dimensions in mm<br>A (max Height) |
|---------------------------|----------------------------|------------------------------|--------------|------------------------------------|
| EHV 10-330/90-A25RC-200   | C                          | 9.2                          | 31           | 627                                |
| EHV 12-330/90-A25RC-200   | C                          | 11                           | 36           | 727                                |
| EHV 20-330/90-A25RC-200   | C                          | 17.8                         | 49           | 937                                |
| EHV 24,5-330/90-A25RC-200 | C                          | 22.5                         | 56           | 1072                               |
| EHV 32-330/90-A25RC-200   | C                          | 32                           | 81           | 1460                               |
| EHV 42-330/90-A25RC-200   | C                          | 42                           | 87           | 1602                               |
| EHV 50-330/90-A25RC-200   | C                          | 48.5                         | 110          | 1976                               |
| EHV 57-330/90-A25RC-200   | C                          | 51                           | 116          | 2072                               |

\* All dimensions in mm and are subject to manufacturing tolerances  
<sup>1</sup> Temperature range can change depending on shell and elastomer material.  
 Please see bladder materials and Type (page 35)  
<sup>2</sup> For other fluids: consult Parker | <sup>3</sup> For Fluid group 1 consideration: consult Parker



### Model of valve stem

C-type  
 7/8" 14 UNF



**EHVF series 330 bar, 10 to 50 Liters - FLANGED FLUID PORT / Spare Parts & Accessories**

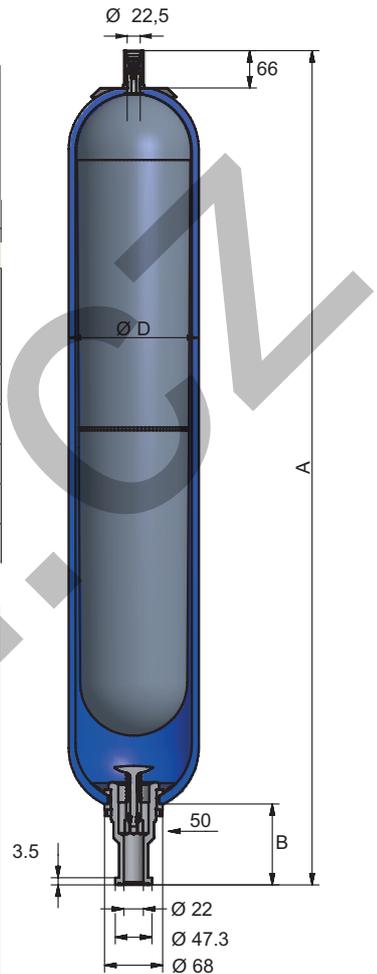
| Type   | Kit Flange<br>Type<br>Part number | Clamps<br>Model<br>(quantity)<br>Part number | Support Bracket<br>Model<br>Part number | Mounting<br>Frame<br>Model<br>Part number | Lifting Eye on<br>gas side<br>Model<br>Part number | Complete Repair<br>Kit<br>Model<br>Part number                |
|--|-----------------------------------|--|---|---|--|---|
| EHVF<br>10-330/90-A25RC-200<br>10844901125   | BR 400-38<br>35132400123          | D226 2<br>20251503648                        | CE 159A<br>20109003620                  | EF2<br>20217600125                        | 10912700200  | KIT REC.<br>EHVF 10-250/330<br>DIA22 VALVE C<br>19034600225   |
| EHVF<br>12-330/90-A25RC-200<br>10867301125   | BR 400-38<br>35132400123          | D226 2<br>20251503648                        | CE 159A<br>20109003620                  | EF2<br>20217600125                        | 10912700200  | KIT REC.<br>EHVF 12-250/330<br>DIA22 VALVE C<br>19034700225   |
| EHVF<br>20-330/90-A25RC-200<br>10845001125   | BR 400-38<br>35132400123          | D226 2<br>20251503648                        | CE 159A<br>20109003620                  | EF2<br>20217600125                        | 10912700200  | KIT REC.<br>EHVF 20-250/330<br>DIA22 VALVE C<br>19034800225   |
| EHVF<br>24,5-330/90-A25RC-200<br>10845101125 | BR 400-38<br>35132400123          | D226 2<br>20251503648                        | CE 159A<br>20109003620                  | EF2<br>20217600125                        | 10912700200  | KIT REC.<br>EHVF 24,5-250/330<br>DIA22 VALVE C<br>19035100225 |
| EHVF<br>32-330/90-A25RC-200<br>10845201125   | BR 400-38<br>35132400123          | D226 2<br>20251503648                        | CE 159A<br>20109003620                  | EF3<br>20217700125                        | 10912700200  | KIT REC.<br>EHVF 32-250/330<br>DIA22 VALVE C<br>19034900225   |
| EHVF<br>42-330/90-A25RC-200<br>11132501125   | BR 400-38<br>35132400123          | D226 2<br>20251503648                        | CE 159A<br>20109003620                  | EF3<br>20217700125                        | 10912700200  | KIT REC.<br>EHVF 42-250/330<br>DIA22 VALVE C<br>19062200225   |
| EHVF<br>50-330/90-A25RC-200<br>11077001125   | BR 400-38<br>35132400123          | D226 2<br>20251503648                        | CE 159A<br>20109003620                  | EF3<br>20217700125                        | 10912700200  | KIT REC.<br>EHVF 50-250/330<br>DIA22 VALVE C<br>19054400225   |
| EHVF<br>57-330/90-A25RC-200<br>11132601125   | BR 400-38<br>35132400123          | D226 2<br>20251503648                        | CE 159A<br>20109003620                  | EF3<br>20217700125                        | 10912700200  | KIT REC.<br>EHVF 57-250/330<br>DIA22 VALVE C<br>19062300225   |

## EHVF series 350 bar, 2.5 to 10 Liters - FLANGED FLUID PORT

Standard version (Carbon Steel shell/NBR mix) compatible with mineral oils <sup>2</sup>.  
 According to PED 2014/68/EU, EN 14359, Fluid Group 2 <sup>3</sup>.

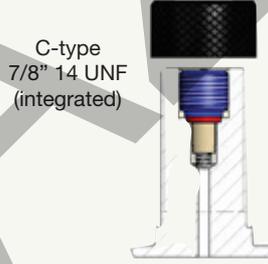
|                                  |                                    |
|----------------------------------|------------------------------------|
| Max. working pressure: 350 bar   | Gas Connection: 7/8" 14 UNF        |
| Max. flow rate: 450 l/min        | Oil Connection Flange: 1" SAE 6000 |
| Temperature Range: -20°C to 80°C |                                    |

| Type                      | Valve model<br>(see drawing) | Effective Gas vol.<br>Liters | Weight<br>kg | Dimensions in mm   |     |     |
|---------------------------|------------------------------|------------------------------|--------------|--------------------|-----|-----|
|                           |                              |                              |              | A<br>max<br>Height | B   | øD  |
| EHVF 2.5-350/90-A25SC-200 | C                            | 2.4                          | 11           | 595                | 111 | 116 |
| EHVF 4-350/90-A25SC-200   | C                            | 3.7                          | 15           | 480                | 110 | 170 |
| EHVF 5-350/90-A25SC-200   | C                            | 5.0                          | 17           | 944                | 111 | 116 |
| EHVF 6-350/90-A25SC-200   | C                            | 6.0                          | 20           | 606                | 110 | 170 |
| EHVF 10-350/90-A25SC-200  | C                            | 10                           | 31           | 871                | 110 |     |



<sup>1</sup>Temperature range can change depending on shell and elastomer material.  
 Please see bladder materials and Type (page 35) |  
<sup>2</sup> For other fluids consult Parker  
 All dimensions in mm and are subject to manufacturing tolerances

Model of valve stem



## EHVF series 350 bar, 2.5 to 10 Liters - FLANGED FLUID PORT / Spare Parts & Accessories

| Type<br>Part number                     | Flange<br>Type<br>Part number | Clamps<br>Model<br>(quantity)<br>Part number | Support<br>Bracket<br>Model<br>Part number | Mounting Frame<br>Model<br>Part number | Lifting Eye on gas<br>side<br>Model<br>Part number | Complete Repair Kit<br>Model<br>Part number      |
|---|-------------------------------|--|--|--|--|--|
| EHVF<br>2.5-350/90-A25SC<br>10861501125 | BR 400-25<br>35132600123      | E114 2<br>20251003648                        | CE89<br>20151903620                        | -                                      | 10912700200  | KIT EHVF 2.5-350<br>DIA22 VALVE C<br>19035300225 |
| EHVF 4-350/90-A25SC<br>10857601125      | BR 400-25<br>35132600123      | E168 1<br>20251303648                        | CE108<br>20118703620                       | EF1<br>20217500125                     | 10912700200  | KIT EHVF 4-350<br>DIA22 VALVE C<br>19035400225   |
| EHVF 5-350/90-A25SC<br>10861601125      | BR 400-25<br>35132600123      | E114 2<br>20251003648                        | CE89<br>20151903620                        | -                                      | 10912700200  | KIT EHVF 5-350<br>DIA22 VALVE C<br>19035500225   |
| EHVF 6-350/90-A25SC<br>10857701125      | BR 400-25<br>35132600123      | E168 1<br>20251303648                        | CE108<br>20118703620                       | EF1<br>20217500125                     | 10912700200  | KIT EHVF 6-350<br>DIA22 VALVE C<br>19035600225   |
| EHVF 10-350/90-A25SC<br>10859901125     | BR 400-25<br>35132600123      | E168 2<br>20251303648                        | CE108<br>20118703620                       | EF1<br>20217500125                     | 10912700200  | KIT EHVF 10-350<br>DIA22 VALVE C<br>19035700225  |

# SensoNODE Kit for Accumulators

A regular control of the nitrogen pressure allows a durable and efficient operation of the accumulator. The new SensoNode sensor transmits nitrogen pressure / temperature information via a Bluetooth connection to a mobile device (tablet or smartphone) using Scout Mobile Parker application. The purpose of this equipment is to simplify the maintenance of the accumulators by allowing a frequent control of the nitrogen pressure while avoiding dangerous situations for the operator.

## PRODUCT FEATURES

Accuracy: 1,5% of the total measuring scale  
Temp range: -40°C to +85°C  
Measurement cycles: > 1 million  
Burst pressure: 3 x working pressure

## SAFE

- ⇒ Easy Maintenance
- ⇒ Greater safety for operators

## ECONOMIC

- ⇒ Reduced maintenance time
- ⇒ Free Application
- ⇒ Sensor maintenance free

## FLEXIBLE

- ⇒ Easy installation on bladder accumulator
- ⇒ Could equip existing or new units

## RELIABLE

- ⇒ Battery life time > 1 year
- ⇒ More efficient accumulator

Easily follow up on your product's performance via App.



Available for Android and IOS  
VOICE OF THE MACHINE

### TOP DOWNLOADS



## INCLUDES

- SensoNODE
- Gas Valve and Accumulator Stem Valve Adaptor

| Part Number | Description                    | Pressur Range |
|-------------|--------------------------------|---------------|
| 1135400223  | SENSONODE CHARGING SET 0-400 B | 0-400 bar     |
| 1135390223  | SENSONODE CHARGING SET 0-250 B | 0-250 bar     |

## Dimensions

Max Height: 175 mm  
Ø: 45 mm + Valve 28 mm  
Weight: 530 g



Visit our website for more useful tools and trainings about condition monitoring resources. [LINK](#)

Do you have any questions regarding our products?

**Chat with us** on [parker.com](https://parker.com)

Our experts are looking forward to supporting your enquiry.



## EHV series 330 bar, 10 to 57 Liters - HIGH FLOW FLUID PORT

Standard version (Carbon Steel shell/NBR mix) compatible with mineral oils <sup>2</sup>.

|                                |   |
|--------------------------------|---|
| Max. working pressure: 330 bar | Temperature Range: -20°C to 80°C <sup>1</sup> |
| Max. flow rate: 1200 l/min     | Gas Connection: 7/8" 18 UNF                   |

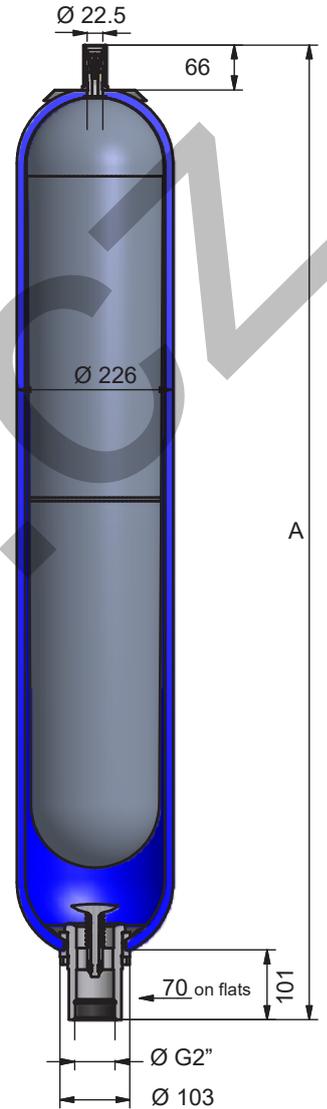
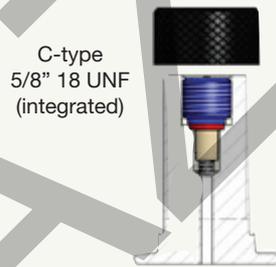
| Type                      | Valve model<br>(see drawing) | Effective Gas<br>vol. Liters | Weight<br>kg | Dimensions<br>A (max Height) |
|---------------------------|------------------------------|------------------------------|--------------|------------------------------|
| EHV 10-330/90-A25HC-200   | C                            | 9,2                          | 31           | 587                          |
| EHV 12-330/90-A25HC-200   | C                            | 11                           | 36           | 687                          |
| EHV 20-330/90-A25HC-200   | C                            | 17,8                         | 49           | 897                          |
| EHV 24.5-330/90-A25HC-200 | C                            | 22,5                         | 56           | 1032                         |
| EHV 32-330/90-A25HC-200   | C                            | 32                           | 81           | 1420                         |
| EHV 50-330/90-A25HC-200   | C                            | 48,5                         | 110          | 1936                         |

<sup>1</sup>Temperature range can change depending on shell and elastomer material. Please see bladder materials and Type (page 35) |

<sup>2</sup> For other fluids consult Parker

All dimensions in mm and are subject to manufacturing tolerances

Model of valve stem



**EHVF series 330 bar, 10 to 57 Liters - HIGH FLOW FLUID PORT / Spare Parts & Accessories**

| Type<br>Part number                         | Adaptor*<br>Threaded<br>Part number | Clamps<br>Model<br>(quantity)<br>Part number | Support<br>Bracket<br>Model<br>Part number | Mounting<br>Frame<br>Model<br>Part number | Lifting Eye on<br>gas side<br>Model<br>Part number | Complete Repair<br>Kit<br>Model<br>Part number   |
|---|-------------------------------------|--|--|---|--|--|
| EHV 10-330/90-A25HC-200<br>10874801125      | G 1" cyl<br>04557000223             | D226 2<br>20251503648                        | CE 159A<br>20109003620                     | EF2<br>20217600125                        | 10912700200  | KIT EHV 10-330<br>DIA22 VALVE C<br>19028900225   |
| EHV 12-330/90-A25HC-200<br>10874901125      | G 1" cyl<br>04557000223             | D226 2<br>20251503648                        | CE 159A<br>20109003620                     | EF2<br>20217600125                        | 10912700200  | KIT EHV 12-330<br>DIA22 VALVE C<br>19032100225   |
| EHV 20-330/90-A25HC-200<br>10846301125      | G 1" cyl<br>04557000223             | D226 2<br>20251503648                        | CE 159A<br>20109003620                     | EF2<br>20217600125                        | 10912700200  | KIT EHV 20-330<br>DIA22 VALVE C<br>19029000225   |
| EHV<br>24.5-330/90-A25HC-200<br>10875001125 | G 1" cyl<br>04557000223             | D226 2<br>20251503648                        | CE 159A<br>20109003620                     | EF2<br>20217600125                        | 10912700200  | KIT EHV 24,5-330<br>DIA22 VALVE C<br>19029400225 |
| EHV 32-330/90-A25HC-200<br>10846501125      | G 1" cyl<br>04557000223             | D226 2<br>20251503648                        | CE 159A<br>20109003620                     | EF3<br>20217700125                        | 10912700200  | KIT EHV32-330<br>DIA22 VALVE C<br>19029100225    |
| EHV 50-330/90-A25HC-200<br>11091501125      | G 1" cyl<br>04557000223             | D226 2<br>20251503648                        | CE 159A<br>20109003620                     | EF3<br>20217700125                        | 10912700200  | KIT EHV 50-330<br>DIA22 VALVE C<br>19054100225   |

\* for more adaptors option see page 32

## EHV series 350 bar, 2.5 to 10 Liters - HIGH FLOW FLUID PORT

Standard version (Carbon Steel shell/NBR mix) compatible with mineral oils <sup>2</sup>.

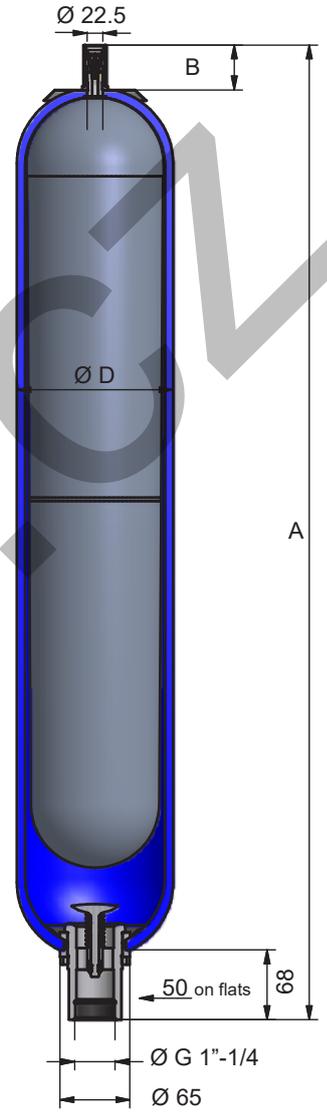
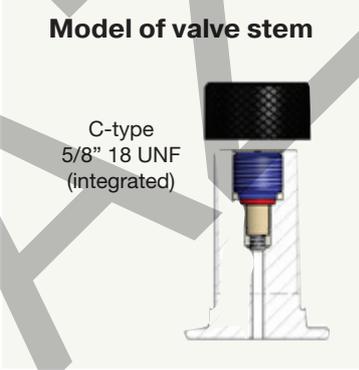
|                                |                                  |
|--------------------------------|----------------------------------|
| Max. working pressure: 350 bar | Temperature Range: -20°C to 80°C |
| Max. flow rate: 570 l/min      | Gas Connection: 7/8" 18 UNF      |

| Type                     | Valve model<br>(see drawing) | Effective<br>Gas vol.<br>Liters | Weight<br>kg | Dimensions in mm   |    |     |
|--------------------------|------------------------------|---------------------------------|--------------|--------------------|----|-----|
|                          |                              |                                 |              | A<br>max<br>Height | B  | øD  |
| EHV 2.5-350/90-A25EC-200 | C                            | 2,4                             | 11           | 549                | 66 | 116 |
| EHV 4-350/90-A25EC-200   | C                            | 3,7                             | 15           | 434                | 65 | 170 |
| EHV 5-350/90-A25EC-200   | C                            | 5                               | 17           | 898                | 66 | 116 |
| EHV 6-350/90-A25EC-200   | C                            | 6                               | 20           | 560                | 65 | 170 |
| EHV 10-350/90-A25EC-200  | C                            | 10                              | 31           | 825                | 65 | 170 |

<sup>1</sup>Temperature range can change depending on shell and elastomer material. Please see bladder materials and Type (page 35) |

<sup>2</sup> For other fluids consult Parker

All dimensions in mm and are subject to manufacturing tolerances



**EHVF series 350 bar, 2.5 to 10 Liters - HIGH FLOW FLUID PORT / Spare Parts & Accessories**

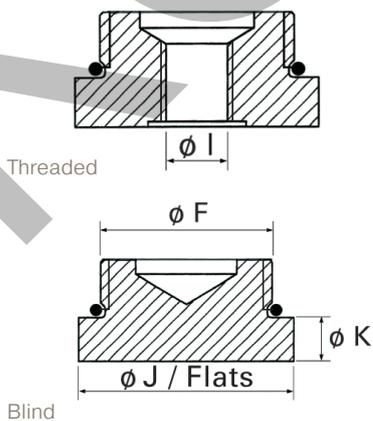
| Type<br>Part number                        | Adaptor*<br>Threaded<br>Part number | Clamps<br>Model<br>(quantity)<br>Part number | Support Bracket<br>Model<br>Part number | Mounting<br>Frame<br>Model<br>Part number | Lifting Eye<br>Model<br>Part number | Complete Repair<br>Kit<br>Model<br>Part number |
|--|-------------------------------------|--|---|---|-------------------------------------|--|
| EHV 2.5-350/90-A25EC-200<br>10846101125    | G 3/4" cyl<br>04555200223           | E114 2<br>20251003648                        | CE 89<br>20151903620                    | -   | -                                   | KIT EHV 2.5-350<br>D22 VALVE C<br>19029800225  |
| EHV<br>4-350/90-A25EC-200<br>10846701125   | G 3/4" cyl<br>04555200223           | E168 2<br>20251303648                        | CE108<br>20118703620                    | EF1<br>20217500125                        | -                                   | KIT EHV 4-350<br>D22 VALVE C<br>19029900225    |
| EHV<br>5-350/90-A25EC-200<br>10874601125   | G 3/4" cyl<br>04555200223           | E114 2<br>20251003648                        | CE 89<br>20151903620                    | -   | -                                   | KIT EHV 5-350<br>D22 VALVE C<br>19030000225    |
| EHV<br>6-350/90-A25EC-200<br>10874701125   | G 3/4" cyl<br>04555200223           | E168 2<br>20251303648                        | CE108<br>20118703620                    | EF1<br>20217500125                        | -                                   | KIT EHV 6-350<br>D22 VALVE C<br>19030100225    |
| EHV 1<br>0-350/90-A25EC-200<br>10845901125 | G 3/4" cyl<br>04555200223           | E168 2<br>20251303648                        | CE108<br>20118703620                    | EF1<br>20217500125                        | 10912700200                         | KIT EHV 10-350<br>D22 VALVE C<br>19030200225   |

\* for more adaptors option see page 32

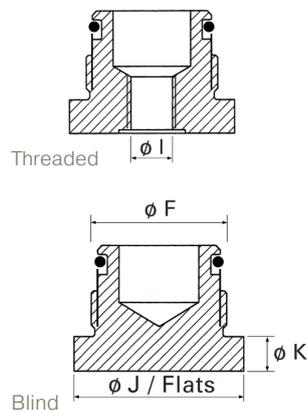
## EHV Adapters, Carbon Steel

| Accumulator model                   | Connection ØF<br>BSPP | Connection ØI<br>BSPP          | P/N         | Shape       | J/Flats     | K  | O-Ring / Back-up ring                 |               |   |
|-------------------------------------|-----------------------|--------------------------------|-------------|-------------|-------------|----|---------------------------------------|---------------|---|
| EHV 0,2 Liter<br>350 bar            | G 1/2"                | G 1/4"                         | 04556500223 | A           | 27          | 8  | O-ring 18x2                           |               |   |
|                                     |                       | Blind                          | 04501800223 | A           | 27          | 8  | O-ring 18x2                           |               |   |
| EHV 0,5 & 1 & 1,6 Liters<br>350 bar | G 3/4"                | G 3/8"                         | 04556400223 | A           | 32          | 8  | O-ring 21,3x2,4                       |               |   |
|                                     |                       |                                | 04556100223 | B           | 32          | 8  | O-ring 16,9x2,7                       |               |   |
|                                     |                       | Blind                          | 04502000223 | A           | 32          | 8  | O-ring 21,3x2,4                       |               |   |
|                                     |                       |                                | 04558200223 | B           | 32          | 8  | O-ring 16,9x2,7                       |               |   |
| EHV 1 to 5 Liters<br>690 bar        | G1"                   | G 1/2"                         | 04579500223 | B           | 41          | 10 | O-ring 21,3x3,6 / BUR<br>22x28x0,69*2 |               |   |
|                                     |                       | Blind                          | 04579600223 | B           | 41          | 10 | O-ring 21,3x3,6 / BUR<br>22x28x0,69*2 |               |   |
| EHV 2,5 to 10 Liters<br>350 bar     | G1"1/4                | G 1/2"                         | 04555100233 | A           | 50          | 10 | O-ring 36,2x3                         |               |   |
|                                     |                       |                                | 04555800233 | B           | 50          | 10 | O-ring 30x3                           |               |   |
|                                     |                       | G 3/4"                         | 04555200223 | A           | 50          | 10 | O-ring 36,2x3                         |               |   |
|                                     |                       |                                | 04555900223 | B           | 50          | 10 | O-ring 30x3                           |               |   |
|                                     |                       | G 1"                           | 04583100223 | A           | 50          | 40 | O-ring 36,2x3                         |               |   |
|                                     |                       |                                | Blind       | 04502200223 | A           | 50 | 10                                    | O-ring 36,2x3 |   |
|                                     |                       | 04558300233                    |             | B           | 50          | 10 | O-ring 30x3                           |               |   |
|                                     |                       | EHV 10 to 57 Liters<br>330 bar | G2"         | G 1/2"      | 04556800223 | A  | 65                                    | 13            | O-ring 54x3                             |
| 04557700223                         | B                     |                                |             |             | 65          | 13 | O-ring 48x3                           |               |   |
| G 3/4"                              | 04556900223           |                                |             | A           | 65          | 13 | O-ring 54x3                           |               |   |
|                                     | 04557800223           |                                |             | B           | 65          | 13 | O-ring 48x3                           |               |   |
| G 1"                                | 04557000223           |                                |             | A           | 65          | 13 | O-ring 54x3                           |               |   |
|                                     | 04557900233           |                                |             | B           | 65          | 13 | O-ring 48x3                           |               |   |
| G 1"1/4                             | 04557100223           |                                |             | A           | 65          | 13 | O-ring 54x3                           |               |   |
|                                     | 04558000223           |                                |             | B           | 65          | 13 | O-ring 48x3                           |               |   |
| Blind                               | 04502400223           |                                |             | A           | 65          | 13 | O-ring 54x3                           |               |   |
|                                     | 04558400223           |                                |             | B           | 65          | 13 | O-ring 48x3                           |               |   |
| EHV 12 to 54 Liters<br>690 bar      | G2"                   |                                |             | G 1"        | 04579002523 | B  | 65                                    | 15            | O-ring 43,82x5,33 / BUR<br>45x54x0,85*2 |
|                                     |                       |                                |             | Blind       | 04579202523 | B  | 65                                    | 15            | O-ring 43,82x5,33 / BUR<br>45x54x0,85*2 |

Shape A - Seal in angle



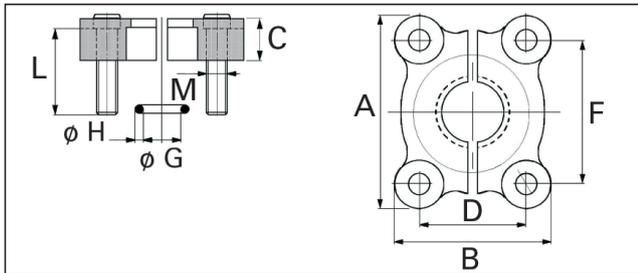
Shape B - Seal in fluid port



## EHV Flanges, Carbon Steel

| Accumulator model     | Type                 | Part Number | A   | B  | C  | D    | F    | øG    | ØH   | L  | M   |
|-----------------------|----------------------|-------------|-----|----|----|------|------|-------|------|----|-----|
| EHVF 2,5 to 10 Liters | FLANGE KIT BR 400-25 | 35132600123 | 81  | 70 | 24 | 27,8 | 57,2 | 32,92 | 3,53 | 45 | M12 |
| EHVF 10 to 57 Liters  | FLANGE KIT BR 400-38 | 35132400123 | 113 | 95 | 30 | 36,5 | 79,3 | 47,22 | 3,53 | 55 | M16 |

According ISO 6162-2



## Anti-Corrosion Materials

Protections available from Parker  
 Example : from EHV 4-350/90 PART NUMBER 1084540XX25

| Construction code                          |          | 11<br>(standard version)         | 20                        | 84  | 85                       |
|--|----------|----------------------------------|---------------------------|---|--------------------------|
| Accumulator shell                          | Coating  | Primar Coating RAL 5005 External | EPOXY 80 microns Internal | RILSAN® 200-300 microns Internal/External |                          |
|  | Material | Carbon Steel                     | Carbon Steel              | Carbon Steel                              |                          |
| Valve Stem, Fluid port, and Protection Cap |          | Zinc plated Carbon Steel         | Stainless Steel           | Stainless Steel                           | Zinc plated Carbon Steel |
| Volume                                     |          |                                  |                           |   |                          |
| 0,2  |          | x                                | x                         | x   | x                        |
| 0,5  |          | x                                | x                         | x   | x                        |
| 1  |          | x                                | x                         | x   | x                        |
| 1,6  |          | x                                | x                         | x   | x                        |
| 2,5  |          | x                                | x                         | x   | x                        |
| 4  |          | x                                | x                         | x   | x                        |
| 5  |          | x                                | x                         | x   | x                        |
| 6  |          | x                                | x                         | x   | x                        |
| 10 (ø 170)                                 |          | x                                | x                         | x   | x                        |
| 10 (ø 226)                                 |          | x                                | x                         | x   | x                        |
| 12   |          | x                                | x                         | x   | x                        |
| 20   |          | x                                | x                         | x   | x                        |
| 24,5                                       |          | x                                | x                         | x   | x                        |
| 32   |          | x                                | x                         | x   | x                        |
| 42   |          | x                                | x                         | x   | x                        |
| 50   |          | x                                | x                         | x   | x                        |
| 57   |          | x                                | x                         | x   | x                        |

Depending on your application, fluid and the environment in which you install your systems/equipment, Parker can offer a variety of internal and external shell coatings for your bladder accumulator. Please contact our technical support or your local accumulator expert at Parker if you are uncertain what you may require or for more details on the various coatings.

## Bladder Materials and Types

Bladder mixes available from Parker Olaer.

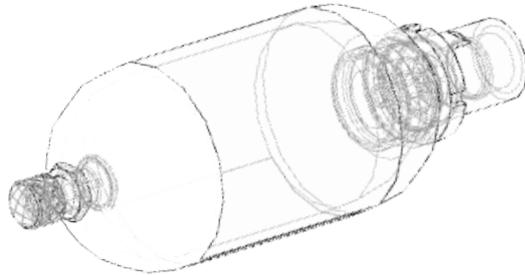
Example : from EHV 4-350/90 PART NUMBER 108454011XX

|                        | Standard Bladder       | Other mixes |                  |                    |   |                   |                          |                    |                  |                   |                          |                             |
|------------------------|------------------------|-------------|------------------|--------------------|---|-------------------|--------------------------|--------------------|------------------|-------------------|--------------------------|-----------------------------|
| Mix Code               | Mix 25                 | Mix 02      | Mix 10           | Mix 20             | Mix 30  | Mix 35            | Mix 37                   | Mix 40             | Mix 47           | Mix 80            | E2                       | XL                          |
| Mix Name               | Standard NBR (Nitrile) | Hydrin C    | Low Temp Nitrile | Heavy Duty Nitrile | Low Nitrile Permeability                            | High Temp Nitrile | Extreme Low Temp Nitrile | Butyl              | EPDM             | Viton             | High performance Nitrile | Very low permeation nitrile |
| Max Admissible Temp °C | 100                    | 115         | 80               | 100                | 115   | 130               | 110                      | 120                | 120              | 140               | 100                      | 100                         |
| Min Admissible Temp °C | -20                    | -32         | -30              | -6                 | -5  | 0                 | -59                      | -15                | -40              | -20               | -15                      | -20**                       |
| Volume/ Typical Fluid* | Mineral Oil            | Mineral Oil | Mineral Oil      | Mineral Oil        | Mineral Oil + Special fuels (not unleaded gasoline) | Mineral Oil       | Mineral Oil              | Water based fluids | Phosphate esters | Aggressive fluids | Mineral Oil              | Mineral Oil                 |
| 0,2                    | Standard               | x           | x                |                    | x   | x                 | x                        | x                  | x                | x                 |                          |                             |
| 0,5                    |                        | x           | x                | x                  | x   | x                 | x                        | x                  | x                | x                 |                          |                             |
| 1                      |                        | x           | x                | x                  | x   | x                 | x                        | x                  | x                | x                 |                          |                             |
| 1,6                    |                        | x           | x                | x                  | x   | x                 | x                        | x                  | x                | x                 |                          |                             |
| 2,5                    |                        | x           | x                | x                  | x   | x                 | x                        | x                  | x                | x                 |                          | x                           |
| 4                      |                        | x           | x                | x                  | x   | x                 | x                        | x                  | x                | x                 |                          |                             |
| 5                      |                        | x           | x                | x                  | x   | x                 | x                        | x                  | x                | x                 |                          |                             |
| 6                      |                        | x           | x                | x                  | x   | x                 | x                        | x                  | x                | x                 |                          |                             |
| 10 (ø 170)             |                        | x           | x                | x                  | x   | x                 | x                        | x                  | x                | x                 |                          |                             |
| 10 (ø 226)             |                        | x           | x                | x                  | x   | x                 | x                        | x                  | x                | x                 | x                        | x                           |
| 12                     |                        | x           | x                | x                  | x   | x                 | x                        | x                  | x                | x                 | x                        | x                           |
| 20                     |                        | x           | x                | x                  | x   | x                 | x                        | x                  | x                | x                 | x                        | x                           |
| 24,5                   |                        | x           | x                | x                  | x   | x                 | x                        | x                  | x                | x                 | x                        | x                           |
| 32                     |                        | x           | x                | x                  | x   | x                 | x                        | x                  | x                | x                 | x                        | x                           |
| 42                     |                        | x           | x                | x                  | x   | x                 | x                        | x                  | x                | x                 |                          |                             |
| 50                     |                        | x           | x                | x                  | x   | x                 | x                        | x                  | x                | x                 | x                        | x                           |
| 57                     | x                      | x           | x                | x                  | x   | x                 | x                        | x                  | x                | x                 |                          |                             |

\*For any other application please consult Parker.

\*\* under slow cycling conditions

# configuratorPLUS live now!



## eConfigurator+ Features & Benefits:

- Improved Design & Layout – based on extensive user research and customer testing of UI
- Dynamic Filter Navigation – for an intuitive workflow and a fast part selection
- Built-in Intelligence – guides users to help achieve their desired configuration
- Embedded CAD Viewer – with 3D/2D preview & 200+ file formats to download
- Search by Model Code – directly input a model code to load that configuration
- Model Code Info – provides a detailed breakdown of selected options in a part
- Additional Details/Specifications – providing more data, to aid part selection
- Improved Collaboration – save & load your configurations, or share via email
- Streamlined Quoting – request a price & delivery quote directly from the tool
- Tool Tips – provide the user with additional related information, hints or tips
- Supports All Current Browsers + Mobile – providing a better user experience

The screenshot shows the eConfigurator+ web interface. The desktop view displays the configuration page for 'Bladder Accumulator - High Pressure (EHV) - (Europe)'. The configuration code is 10876401125. The interface includes a search bar, navigation tabs, a 3D/2D viewer, and a list of configuration options. The mobile screens show the same interface adapted for touch, with touch-friendly elements like 'Set Configurations' and 'Reset settings' buttons.

The eConfigurator+ offers a reliable and efficient solution for storing energy under pressure. Utilizing comprehensive tools and resources including an applications database, CAD/CAM, finite element analysis, reliability studies and simulation we have optimized the design and performance of the accumulator. Parker Oiler bladder accumulators are suitable for use in more than 35 countries (all hydraulic accumulators for Europe are CE marked) and they can meet an extensive range of international and industry approvals.

The EHV Series Model accumulator comes with a Parker seal kit and 7/8" NPT end connections as standard however other options are available.

**How to order Bladder Accumulators, EHV series: 330 bar - 690 bar**

|            |           |            |           |          |           |          |          |          |           |          |            |
|------------|-----------|------------|-----------|----------|-----------|----------|----------|----------|-----------|----------|------------|
| <b>EHV</b> | <b>20</b> | <b>330</b> | <b>90</b> | <b>A</b> | <b>25</b> | <b>G</b> | <b>C</b> | <b>2</b> | <b>00</b> | <b>/</b> | <b>100</b> |
| 01         | 02        | 03         | 04        | 05       | 06        | 07       | 08       | 09       | 10        |          | 11         |

|    |  |  |  |  |  |  |  |  |  |  |  |
|----|--|--|--|--|--|--|--|--|--|--|--|
| 01 | Series   | EHV = High pressure bladder<br>EHVF = High pressure bladder flange<br>ETHV = High pressure transfer bladder  |  |  |  |  |  |  |  |  |  |
| 02 | Gas Volume (L) examples  | 0.2 = 0.2 L<br>20 = 20 L<br>24.5 = 24.5 L  |  |  |  |  |  |  |  |  |  |
| 03 | Max. Working Pressure  | 330 = 330 bar<br>350 = 350 bar<br>690 = 690 bar<br>120 = 120 bar (stainless steel range)   |  |  |  |  |  |  |  |  |  |
| 04 | Approval Type<br>if the product is not CE, use highest MWP according to regulation relevant to the product. See: approvals | 00 = PED2014/68/EU, art. 4.3<br>11 = PED2014/68/EU + BV Marine<br>13 = PED2014/68/EU, art. 4.3 + BV Marine<br>23 = PED2014/68/EU, art. 4.3 + ABS<br>24 = PED2014/68/EU + DNVGL<br>41 = PED2014/68/EU + ABS<br>43 = PED2014/68/EU, art. 4.3 + DNVGL<br>48 = ASME VIII div 1 app22<br>71 = CUTR 032/2013<br>83 = PED2014/68/EU + AS1210<br>86 = PED2014/68/EU + ASME VIII div 1 app 22 + SELO<br>88 = PED2014/68/EU + SELO<br>90 = PED2014/68/EU<br>91 = ASME VIII div 1 app 22 + AS1210<br>94 = PED2014/68/EU + ASME VIII div 1 app 2<br>AA = PED2014/68/EU + NR13<br>AE = ASME VIII div 1 + NR13<br>AU = ASME VIII div 1 + CUTR 832/2013 |  |  |  |  |  |  |  |  |  |
| 05 | Material (Shell & Fluid Port)  | A = All parts in carbon steel with epoxy paint for shell only (-40°C to +80°C)<br>B = Carbon steel shell + internal protection epoxy 80 µm + stainless steel fluid port and valve<br>D = Carbon steel shell + int./ext. protection blue rilsan 200 - 300 µm + carbon steel fluid port and valve<br>E = Carbon steel shell + stainless steel fluid port and valve<br>I = All parts in stainless steel (-40°C to +80°C)<br>R = Carbon steel shell + int./ext. protection blue rilsan 200 - 300 µm + stainless steel fluid port and valve<br>Z = Special  |  |  |  |  |  |  |  |  |  |
| 06 | Bladder Rubber Mix   | 02 = Hydrin C (-32°C to +115°C)<br>10 = Nitrile low temperature (-30°C to +80°C)<br>20 = Nitrile heavy duty (-6°C to +100°C)<br>25 = Nitrile standard (-20°C to +100°C)<br>30 = Nitrile low permeability (-5°C to +115°C)<br>35 = Nitrile high temperature (0°C to +130°C)<br>37 = Nitrile extreme low temp (-59°C to +110°C)<br>40 = Butyl (-15°C to +120°C)<br>47 = EPDM (-40°C to +140°C)<br>80 = Viton (-20°C to +140°C)<br>E2 = Nitrile (-15°C to +100°C)<br>XL = Nitrile very low permeation (-10°C to +100°C)   |  |  |  |  |  |  |  |  |  |
| 07 | Fluid Port Configuration   | A = Gas cyl 1/2" (120 L / min)<br>B = Gas cyl 3/4" (240 L / min)<br>C = Gas cyl 1" (360 L / min)<br>D = Gas cyl 1 1/4" (450 L / min)<br>E = Gas cyl 1 1/4" DA (570 L / min)<br>G = Gas cyl 2" (900 L / min)<br>H = Gas cyl 2" DA (1200 L / min)<br>J = Gas cyl. 2 1/2" GD (1800 L / min)<br>M = Metric M40 x 1.5<br>N = Metric M50 x 1.5<br>R = EHV 10 - 57 L (900 L / min)<br>Flange 1 1/2" SAE 6000<br>S = EHV 2.5 - 10 L (450 L / min)<br>Flange 1" SAE 6000<br>Z = Special   |  |  |  |  |  |  |  |  |  |
| 08 | Gas Valve Configuration  | 0 = No gas valve<br>A = Gas valve type 5/8" - 18 UNF<br>B = Gas valve type 7/8" - 14 UNF<br>C = Gas valve type 7/8" - 14 UNF integrated<br>D = Gas valve type 5/8" - 18 UNF integrated<br>E = Gas valve type 7/8" - 14 UNF high pressure<br>F = Gas valve type 5/8" - 18 UNF + burst disc<br>G = Gas valve type 7/8" - 14 UNF + burst disc<br>H = Gas valve type 7/8" - 14 UNF integr. + burst disc<br>I = Gas valve type 5/8" - 18 UNF integr. + burst disc<br>J = Gas valve type 7/8" - 14 UNF high pr. + burst disc   |  |  |  |  |  |  |  |  |  |
| 09 | Fluid Type   | 0 = Not applicable<br>1 = Fluid type 1 - CE fluid group 1<br>2 = Fluid type 2 - CE fluid group 2   |  |  |  |  |  |  |  |  |  |
| 10 | Special  | 00 = None<br>EX = ATEX<br>EZ = ATEX + other special configuration<br>EU = All components sourced in EU<br>SP = Special Painting<br>D1 = Standard Documentation + leak test report<br>D2 = Standard Documentation + design calculation note<br>ZZ = Special configuration or several options<br>ASME certified accumulator according to ASME VIII Div. 1:<br>30 MWP = 207 bar ( 3000 PSI)<br>36 MWP = 248 bar ( 3600 PSI)<br>38 MWP = 262 bar (3800 PSI)<br>40 MWP = 276 bar (4000 PSI)<br>50 MWP = 345 bar ( 5000 PSI)   |  |  |  |  |  |  |  |  |  |
| 11 | Pre-Charge at 20 °C (bar)  | 100 = 100 bar (example)<br>Blank : nitrogen storage pre-charge pressure (from 3 to 5 bar).   |  |  |  |  |  |  |  |  |  |

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