



Marine Cylinders, Accumulators & Coolers

Dedicated Products and Solutions



ENGINEERING YOUR SUCCESS.

Parker offer a range of products specially designed and developed for the hazardous environments at sea. They meet a wide range of approvals and are tailor made to meet your requirements (e.g. special coatings, IP-class and ATEX / Ex approvals).

We understand the challenges that our customers face operating in remote locations where access to support is limited. Our marine products are therefore built to last with optimum performance and minimum maintenance required.



Accumulators

Parker helps to keep all the essential on-deck and below-deck machinery and safety equipment operating.



NEW

Marine Bladder Accumulator

- with Low Temperature Bladder (Igloo- Mix 10)

Parker's new Marine (EHV Series) accumulator provides safe and dependable energy storage for Marine applications operating in harsh and demanding environments.

Offering a pressure of 350 bar the Marine EHV also has the highest standard pressure available on the market for marine applications.

PTS

All 10 to 50 Litre EHV marine accumulators have a unique code so that customers can utilise the Parker Tracking System (PTS), which facilitates quick-and-easy access to all relevant product documentation.

Applications

Ship cranes
Winches
Davits

Low Temperature Bladder Material (Igloo - Mix 10)

A new bladder material has been specially developed for the Marine EHV accumulator to accommodate cold climate requirements, this enables the Marine EHV to operate in temperatures from -30°C to +80°C.



Benefits/Features

- **Short Lead Times**
- **High Pressure rating (0 to 350 bar)**
- **DNV GL certified at 350 bar**
- **Wide temperature range -30°C to +80°C**
- **4 to 50 Litre capacity**
- **PTS label for 10 to 50 litre accumulators.**

Accumulators



◀ Silicone Filled Bladder Accumulator

- No pre-charge required

The patented technology offered by the SBV3 pulsation damper removes all risks and maintenance associated with pressurized gas and no precharge is required as silicone particles are used instead. This third generation of damper integrates the brand new S2 rubber mix which offers improved longevity and efficiency and the new stem adapter which provides greater reliability.

The SBV3 pulsation damper is specially designed for installation on low pressure fuel systems, typically in Marine and Power Generation applications, to attenuate pressure pulses.

Benefits/Features

- Long lifetime
- Easy to install and use
- BV Marine approval
- Up to 40 bar
- 0 to 2.5 Litres

Applications

Marine engine injection systems

▶ Piston Accumulator

- (A Series and EHP Series)

Piston accumulators are available in carbon and stainless steel, typically up to 690 bar for Marine applications.

CE marked as standard with DNV GL and ABS approval available upon request.

Benefits/Features

- Fail safe design
- Long service life - low gas permeation
- DNV GL and ABS approvals available
- 250 bar/350 bar

Applications

Ship cranes
Winches
Davits



Coolers

◀ Marine Air Oil Cooler - for Offshore Environment



The new MAC Series combines high-performance, efficient fluid cooling with unrivalled corrosion resistance to offer a dependable solution for challenging nearshore and offshore marine applications.

Corrosion resistance qualified 720 hours for offshore in neutral salt spray test to ISO 9227.

A reduced number of components helps to minimise mechanical interferences and provides a simplified spare parts list for maintenance teams.

Benefits/Features

- Meets C5M-M corrosion protection level (720 Hrs)
- Maximum cooling capacity of 300kW
- REACH & RoHS compliant.
- Robust design
- Low maintenance

Applications

- Winches
- Steering gear
- Cranes
- Gear box cooling
- Hydraulic power units

Cylinders

▶ Stainless Steel Cylinder - for Marine applications

Manufactured in stainless steel, the HC 20 Type cylinder has a compact design for operation in harsh environments.

It's easy to service using standard tools and offers a long service life.

Customized solutions are available with a choice of materials, mounting options, seals and surface treatments including Parker's own GlobalShield™.

Benefits/Features

- Marine approvals including DNV/GL
- Integrated valves
- Stainless Steel
- Customized solutions
- Robust design

Applications

- Water jets
- Davits
- Stabilizer systems





We have invested heavily in our expert team of people who have a unique set of experience, hardware and software to be the leading development partner.

Working closely with our customers, we are able to accurately model the behaviour of the product in the field. Both by computer simulation and by physical product testing, we can ensure the best possible functionality.





Regulations

Accumulators & Cylinders

Due to our vast experience in demanding markets, we are offering an unmatched range of rubber compounds and gland solutions to meet the most difficult applications.

Parker 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, ...), over and above all country specific approvals (PED, ASME, SELO, CRN, ARH, CUTR, ...).

Accumulator Service Centre Network

Parker Hannifin has developed a network of trained competent persons within Authorized Recertification/Service Centres.

Services include: -

- Preparation of Written Schemes of Examination
- Accumulator maintenance, testing and repair
- Hydraulic system troubleshooting
- Product in stock

Parker Authorized Recertification Centres are fully trained and offer a wealth of experience in the Parker accumulator and cooler product range.



Parker Worldwide

Europe, Middle East, Africa

AE – United Arab Emirates, Dubai

Tel: +971 4 8127100
parker.me@parker.com

AT – Austria, Wiener Neustadt

Tel: +43 (0)2622 23501-0
parker.austria@parker.com

AT – Eastern Europe, Wiener Neustadt

Tel: +43 (0)2622 23501 900
parker.easteurope@parker.com

AZ – Azerbaijan, Baku

Tel: +994 50 2233 458
parker.azerbaijan@parker.com

BE/LU – Belgium, Nivelles

Tel: +32 (0)67 280 900
parker.belgium@parker.com

BG – Bulgaria, Sofia

Tel: +359 2 980 1344
parker.bulgaria@parker.com

BY – Belarus, Minsk

Tel: +48 (0)22 573 24 00
parker.poland@parker.com

CH – Switzerland, Etoy

Tel: +41 (0)21 821 87 00
parker.switzerland@parker.com

CZ – Czech Republic, Klecany

Tel: +420 284 083 111
parker.czechrepublic@parker.com

DE – Germany, Kaarst

Tel: +49 (0)2131 4016 0
parker.germany@parker.com

DK – Denmark, Ballerup

Tel: +45 43 56 04 00
parker.denmark@parker.com

ES – Spain, Madrid

Tel: +34 902 330 001
parker.spain@parker.com

FI – Finland, Vantaa

Tel: +358 (0)20 753 2500
parker.finland@parker.com

FR – France, Contamine s/Arve

Tel: +33 (0)4 50 25 80 25
parker.france@parker.com

GR – Greece, Athens

Tel: +30 210 933 6450
parker.greece@parker.com

HU – Hungary, Budaörs

Tel: +36 23 885 470
parker.hungary@parker.com

IE – Ireland, Dublin

Tel: +353 (0)1 466 6370
parker.ireland@parker.com

IL – Israel

Tel: +39 02 45 19 21
parker.israel@parker.com

IT – Italy, Corsico (MI)

Tel: +39 02 45 19 21
parker.italy@parker.com

KZ – Kazakhstan, Almaty

Tel: +7 7273 561 000
parker.easteurope@parker.com

NL – The Netherlands, Oldenzaal

Tel: +31 (0)541 585 000
parker.nl@parker.com

NO – Norway, Asker

Tel: +47 66 75 34 00
parker.norway@parker.com

PL – Poland, Warsaw

Tel: +48 (0)22 573 24 00
parker.poland@parker.com

PT – Portugal

Tel: +351 22 999 7360
parker.portugal@parker.com

RO – Romania, Bucharest

Tel: +40 21 252 1382
parker.romania@parker.com

RU – Russia, Moscow

Tel: +7 495 645-2156
parker.russia@parker.com

SE – Sweden, Spånga

Tel: +46 (0)8 59 79 50 00
parker.sweden@parker.com

SK – Slovakia, Banská Bystrica

Tel: +421 484 162 252
parker.slovakia@parker.com

SL – Slovenia, Novo Mesto

Tel: +386 7 337 6650
parker.slovenia@parker.com

TR – Turkey, Istanbul

Tel: +90 216 4997081
parker.turkey@parker.com

UA – Ukraine, Kiev

Tel: +48 (0)22 573 24 00
parker.poland@parker.com

UK – United Kingdom, Warwick

Tel: +44 (0)1926 317 878
parker.uk@parker.com

ZA – South Africa, Kempton Park

Tel: +27 (0)11 961 0700
parker.southafrica@parker.com

North America

CA – Canada, Milton, Ontario

Tel: +1 905 693 3000

US – USA, Cleveland

Tel: +1 216 896 3000

Asia Pacific

AU – Australia, Castle Hill

Tel: +61 (0)2-9634 7777

CN – China, Shanghai

Tel: +86 21 2899 5000

HK – Hong Kong

Tel: +852 2428 8008

IN – India, Mumbai

Tel: +91 22 6513 7081-85

JP – Japan, Tokyo

Tel: +81 (0)3 6408 3901

KR – South Korea, Seoul

Tel: +82 2 559 0400

MY – Malaysia, Shah Alam

Tel: +60 3 7849 0800

NZ – New Zealand, Mt Wellington

Tel: +64 9 574 1744

SG – Singapore

Tel: +65 6887 6300

TH – Thailand, Bangkok

Tel: +662 186 7000

TW – Taiwan, Taipei

Tel: +886 2 2298 8987

South America

AR – Argentina, Buenos Aires

Tel: +54 3327 44 4129

BR – Brazil, Sao Jose dos Campos

Tel: +55 800 727 5374

CL – Chile, Santiago

Tel: +56 2 623 1216

MX – Mexico, Toluca

Tel: +52 72 2275 4200



EMEA Product Information Centre

Free phone: 00 800 27 27 5374

(from AT, BE, CH, CZ, DE, DK, EE, ES, FI, FR, IE, IL,
IS, IT, LU, MT, NL, NO, PL, PT, RU, SE, SK, UK, ZA)

US Product Information Centre

Toll-free number: 1-800-27 27 537

www.parker.com

