vetus COMMERCIAL

HPW series

High performance HD waterlocks



Exhaust systems

Exhaust systems for high-performance craft

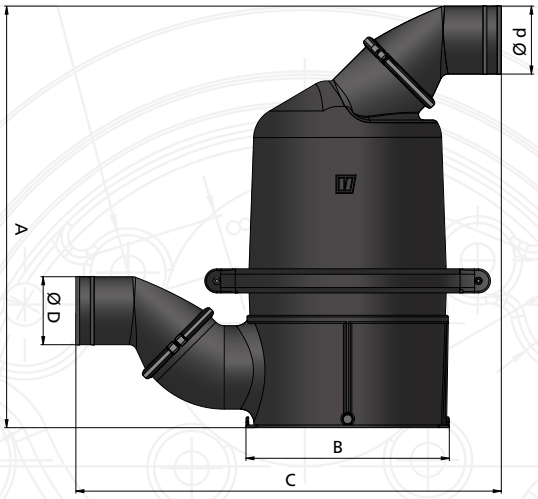
Made of the special blended composite NAVIDURIN® which is temperature resistant up to 260°C - these Heavy Duty waterlocks outperform standard GRP materials by 170%! The same applies for the thermal resistance to deformation under pressure. The HPW series is perfect for applications where the system is put to the test such as commercial or coastguard vessels.

The ability to handle extreme conditions combined with the rotating bodies and hose connections makes the HPW series an economical alternative to high priced and high-end custom made solutions. The HPW waterlocks are available in 102, 127 and 152 mm hose connections.

Summary

- Available for Ø 102, 127, and 152 mm exhaust systems
- VETUS (NAVIDURIN®) HD composite material is heat resistant up to 260 °C
- High capacity waterlift design providing complete security for your engine
- Excellent sound attenuation with minimal back pressure
- Rotating body and hose connections for easy installation
- Complete with floor mounting brackets

Specifications	NAVIDURIN®	Polyester resin	Class 1 Epoxy Vinyl Ester resin
Material temperature resistance	260 °C	150 °C	174 °C
Continuous operating temperature	180 °C	120 °C	140 °C
Maximum operating temperature	250 °C	150 °C	174 °C
Temperature for deflection under load (1.8MPa, 18 bar, 260 psi)	250 °C	120 °C	140 °C
Tensile strength	175(0) Mpa (Bar)	100(0) Mpa (Bar)	114(0) Mpa (Bar)
Flexural strength	300(0) Mpa (Bar)	140(0) Mpa (Bar)	167(0) Mpa (Bar)



Type	Colour	Inlet Ø D (mm)	Outlet Ø d (mm)	Capacity (litres)	A (mm)	B (mm)	C (mm)
HPW102	Black	102	102	55	788	380	795
HPW127	Black	127	127	55	788	380	795
HPW152	Black	152	152	55	788	380	795
HPW127152	Black	127	152	55	788	380	795

Exhaust hose size	max. 0,1 bar back pressure allowed	max. 0,15 bar back pressure allowed	max. 0,2 bar back pressure allowed	max. 0,25 bar back pressure allowed
102 mm	up to 140 hp / 103 kW	up to 211 hp / 155 kW	up to 281 hp / 206 kW	up to 352 hp / 258 kW
127 mm	up to 218 hp / 160 kW	up to 327 hp / 240 kW	up to 436 hp / 320 kW	up to 545 hp / 400 kW
152 mm	up to 312 hp / 229 kW	up to 469 hp / 344 kW	up to 625 hp / 458 kW	up to 781 hp / 573 kW

