



Dredge direction reversing valve.

VORTEX

DREDGE SYSTEMS

PATENTS PENDING

Worlds most powerful 3, 4 and 6-inch dredges

www.vortexdredge.com

CE

Product description:

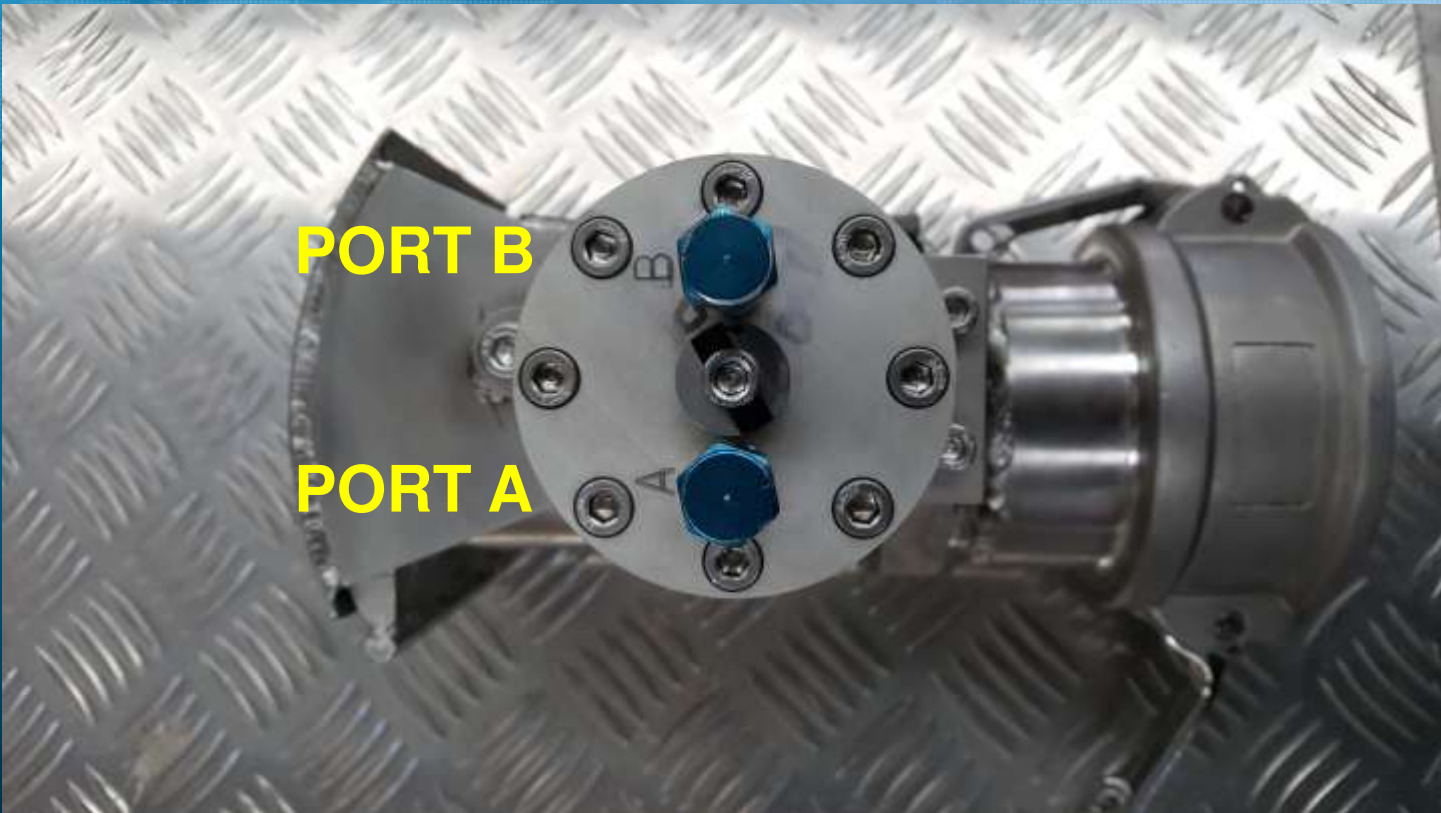
- Simple to retrofit to all Vortex dredge systems via cam lock fittings.
- This tool is designed to reverse the flow through the Venturi to clear the suction hose in the event of debris blocking the suction hose.
- Reversing valve Weight in air:
 - 3 inch = 10 lb (4.5kg)
 - 4 inch = TBA
 - 6 inch = TBA
- Reversing valve dimensions:
 - 3 inch = 10.2inch (260mm) long x 8.2 inch (210 mm) high x 7 inch (180mm) wide.
 - 4 inch = TBA
 - 6 inch = TBA
- Hydraulic supply required to operate ball valve = 69 to 206 bar (1000 to 3000psi.), 14lpm (3.7 gpm) minimum flow
- Hydraulic hoses = Two units: 4000mm long -4 jic female swivel.
- Depth rating – 3000mtr plus
- Inside diameter = 3 inch (76mm), 4 inch (100mm) 6 inch (150mm)

Operating instructions:

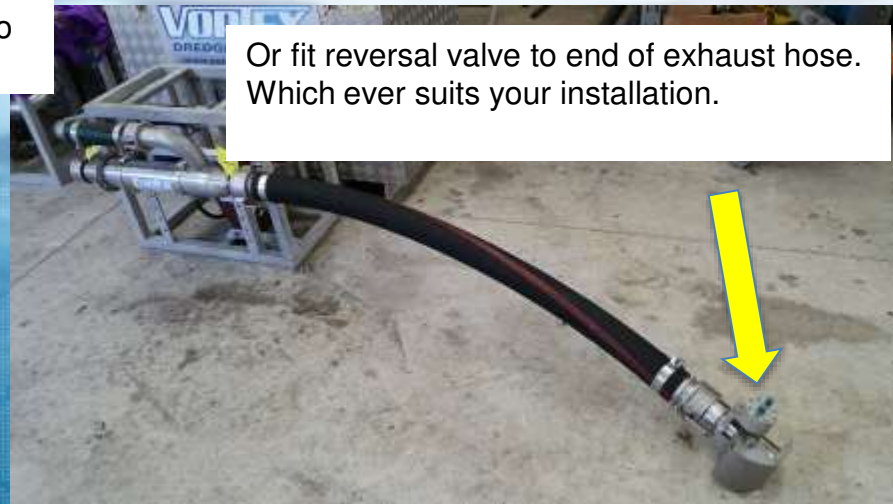
- Connect reversing valve directly to end of venturi or to end exhaust hose. Which ever best suits your installation.
Ensure both the Venturi and reversing valve are securely mounted to ROV / fame.
- Connect ball valve actuator hydraulic hoses to ROV.

Operating instructions continued:

- PORT A = close
- PORT B = open



Dredge direction reversing valve.



Closed



Closed



Open



Open

The venturi can be removed from the frame and installed individually on the ROV as shown below.

