



Model 116-3FC ▲

Material Selection Guide

Material selection for sea water applied valves is imperative to assure proper performance and long valve life. OCV Control Valves has a successful history of applying valves in corrosive sea water environments and offers various choices in materials depending on the application. The chart below has been formulated for reference and will guide the material selection process. Should questions arise, please contact our sales or engineering staff for further guidance.

Note: Not all options are available in all valve sizes.

	OK-Limited to intermittent operation		SATISFACTORY		PREMIUM	
BODY/BONNET	Ductile Iron-ASTM A536 - Sea water epoxy	Carbon Steel-ASTM A216 - Sea water epoxy	Bronze-ASTM B61	Stainless Steel-ASTM A351-CF8M	Nickel Aluminum Bronze-ASTM B148	Duplex Stainless Steel
SEAT RING	Bronze, Stn.Stl. opt. NAB opt.	Bronze, Stn.Stl. opt. NAB opt.	Bronze, Stn.Stl. opt.	Stn.Stl.	NAB	Duplex Stn.Stl.
STEM	Monel	Monel	Monel	Monel	Monel	Monel
DIAPHRAGM PLATE	D.I.- Sea water epoxy Bz B61 opt. NAB opt.	D.I.- Sea water epoxy Bz B61 opt. NAB opt.	Bronze B61	Stn.Stl.	NAB	Duplex Stn.Stl.
SPOOL	D.I.- Sea water epoxy Bz B61 opt. NAB opt.	D.I.- Sea water epoxy Bz B61 opt. NAB opt.	Bronze B61	Stn.Stl.	NAB	Duplex Stn.Stl.
SEAT RETAINER	Stn. Stl. Bz B61 opt. NAB opt.	Stn. Stl. Bz B61 opt. NAB opt.	Bronze B61	Stn.Stl. .	NAB	Duplex Stn.Stl.
SPRING	Stn Stl. Inconel opt.	Stn Stl. Inconel opt.	Stn Stl. Inconel opt.	Stn Stl. Inconel opt.	Stn Stl. Inconel opt.	Stn Stl. Inconel opt.
BONNET BOLTING	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn Stl.
INTERNAL BOLTING	Stn. Stl. Monel opt.	Stn. Stl. Monel opt.	Stn. Stl. Monel opt.	Stn. Stl. Monel opt.	Stn. Stl. Monel opt.	Stn Stl. Monel opt.
PIPE-DRAIN PLUGS	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn Stl.
DIAPHRAGM & SEAT DISC	Buna-N EPDM opt.	Buna-N EPDM opt.	Buna-N EPDM opt.	Buna-N EPDM opt.	Buna-N EPDM opt.	Buna-N EPDM opt.
PILOT BODY/ BONNET	Bronze, Stn.Stl. opt. NAB opt.	Bronze, Stn.Stl. opt. NAB opt.	Bronze, Stn.Stl. opt.	Stn.Stl.	NAB	Stn. Stl.
PILOT STEM	Monel	Monel	Monel	Monel	Monel	Monel
BALL VALVES	Bronze Stn.Stl. opt.	Bronze Stn.Stl. opt.	Bronze Stn.Stl. opt.	Stn.Stl.	Stn. Stl. Nickel opt.	Stn. Stl. Nickel opt.
SPEED CONTROLS	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.
Y-STRAINER	Bronze Stn Stl opt.	Bronze Stn Stl opt.	Bronze Stn Stl opt.	Stn.Stl.	Bronze Stn Stl opt.	Stn. Stl.
SOLENOID	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.
TUBING & FITTINGS	Stn. Stl. Monel opt.	Stn. Stl. Monel opt.	Stn. Stl. Monel opt.	Stn. Stl. Monel opt.	Stn. Stl. Monel opt.	Stn. Stl. Monel opt.

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Sea Water Coating Options