

ECV MATERIALS AND COATINGS

The ECV is available in different materials as shown in the following tables. The selection is mainly based on the corrosive properties of the fluid(s). Inconel springs have a longer life time specially in chloride containing fluids eg sea water.

Part	Material	Material standards		
Body	Ductile cast iron	GGG 40, DIN 1693	<i>60-40-18, ASTM A395</i>	<i>GJS 400-15, EN 1563</i>
	Aluminium bronze:	G-CuAl10Ni, DIN 1714	<i>C95800, ASTM B148</i>	<i>AB2, BS 1400</i>
Disc	Aluminium bronze:	G-CuAl10Ni, DIN 1714	<i>C95800, ASTM B148</i>	<i>AB2, BS 1400</i>
Shaft / stop pin	Stainless steel:	X5CrNiMo 17 12 2	<i>AISI 316</i>	<i>316S16, BS 970</i>
Spring	Stainless steel:	X5CrNiMo 17 12 2	<i>AISI 316</i>	<i>316S16, BS 970</i>
	Inconel:	<i>NiCrMo9Nb, DIN 17744</i>	UNS N06625, ASTM B446	<i>NA 21, BS 3076</i>
Seat	Rubber:	EPDM, NBR, FPM		
Shaft	Aluminium bronze:	1.4462		

Note: The material standards printed in italics are comparable with the supplied materials.

External and internal coating for grey and ductile cast iron bodies:			
Code	Coating	Colour	Use
PUR	Polyurethane coating	Orange	Indoor and outside exposure. Light and normal circumstances
	Thickness 100 µ	RAL 2000	
EP-W-2	Epoxy coating	Grey	Potable water systems
	Thickness 350 µ	RAL 7038	

Remark: Polyurethane coating is also available in the colours: blue / RAL 5017, red / RAL 3000 or grey / RAL 7000. Other coatings on request.