

Cartridges: Materials of Construction

Sun Hydraulics' cartridge valves are available in a variety of materials and coatings to serve your needs and environmental conditions.



Steel Cartridges

The cartridge body is constructed of steel with either zinc, nickel or electroless nickel plating available as optional.

Internal cartridge components are constructed of carbon steel leaded alloy.



Corrosion-Resistant Stainless Steel Cartridges (* ** _ ***/AP)

The cartridge body is constructed of lean duplex stainless steel.

Adjustment screws are constructed of one or more of the following:

- Titanium
- Silicon brass

Jam nuts, stop rings, and assorted controls constructed of stainless steel.

Internal cartridge components constructed of carbon steel leaded alloys.

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Corrosion-Resistant Zinc-Nickel Plated Cartridges (*_*_*_* _ *_*_* /LH)

Cartridge body, adjustment screws, jam nuts, and stop rings include the following:

- High-performance corrosion protection plating per SAE AMS 2417
- Salt fog protection of 1000 hours minimum to red rust over all external surfaces exposed to atmosphere (Salt fog test per ASTM B117 or ISO 9227 5% saline)
- Light metal gray plating color (may have yellow to purple hue and may vary from cartridge to cartridge)

Internal cartridge components constructed of carbon steel leaded alloys.