The information contained herein is accurate to the best of our knowledge and should be used as a guideline. Material manufacturing methods and grades can vary and materials testing in our laboratory for compatibility may not apply across all product brands/grades. The responsibility for determining appropriateness for specific applications resides with the user.

**METALS/CERAMICS**
- Aluminum Oxide Ceramic
- Carbon Steel
- Cast Iron
- Ductile Iron
- Stainless Steel
- Tungsten Carbide

**PLASTICS, SEALS, DIAPHRAGMS, ELASTOMERS**

**HDPE**
- Hypalon® chlorosulfonated polyethylene
- Kynar® polyvinylidene fluoride (PVDF) resin
- Noryl® resin
- Polyethylene
- Polypropylene
- PVC Schedule 80
- Santoprene™
- Silicone
- Teflon®

*Carus uses Chemtrol/NIBCO PVC fittings and ball valves and IPEX PVC pipe exclusively. Other manufacturers are not recommended.*

**STORAGE TANKS**

Recommended Material: HDPE

**Specific Gravity:** 1.9

**Manufacturers:**
- Assmann  [www.assmann-usa.com](http://www.assmann-usa.com) (U.S. only)
- Poly Processing  [www.polyprocessing.com](http://www.polyprocessing.com) (U.S. only)
- Snyder Industries  [www.snydernet.com](http://www.snydernet.com) (U.S. only)
- Rototec  [www.rototec.it](http://www.rototec.it) (Europe only)
- Roplast  [www.roplast.it](http://www.roplast.it) (Europe only)

**TRANSFER PUMPS**

Recommended Material: Kynar, Polypropylene, Stainless Steel

**Seals/O-Rings:** Santoprene, Silicone, Teflon

**Manufacturers:**
- March Pumps  [www.marchpumps.com](http://www.marchpumps.com) (International)
- Grundfos  [www.grundfos.com](http://www.grundfos.com) (International)
- Ebara  [www.pumpsebara.com](http://www.pumpsebara.com) (International)

**INCOMPATIBLE MATERIALS**

- Buna N  Natural Rubber  Viton
- Buna S  Neoprene
- CPVC  Nitrostyryl rubber
- EPDM  Nylon

**METEERING PUMPS - SOLENOID DRIVEN**

**Wetted Material:** PVC, Stainless Steel

**Diaphragm:** Teflon

**Seals/O-Rings:** Hypalon, PTFE, Santoprene, Silicone

**Manufacturers:**
- Neptune  [www.neptune1.com](http://www.neptune1.com) (International)
- Prominent  [www.prominent.com](http://www.prominent.com) (International)
- LMI  [www.lmi-pumps.com](http://www.lmi-pumps.com) (U.S. only)

**METEERING PUMPS - HYDRAULIC DIAPHRAGM**

Recommended Material: Stainless Steel

**Diaphragm:** Santoprene, Teflon

**Seals/O-Rings:** Hypalon, Santoprene, Silicone, Teflon

**Manufacturers:**
- Yamada  [www.yamadacorp.co.jp](http://www.yamadacorp.co.jp) (International)
- Neptune  [www.neptune1.com](http://www.neptune1.com) (International)
- PulsaFeeder  [www.pulsa.com](http://www.pulsa.com) (International)

**VALVES - PIPING - FLOWMETERS**

Recommended Material: Stainless Steel, PVC

**Seals/O-Rings:** Santoprene, Silicone, Teflon

**Manufacturers:**
- NIBCO® Chemtrol®  [www.nibco.com](http://www.nibco.com) (International)
- GPI  [www.gpi.net](http://www.gpi.net) (U.S. only)
- +GF+ Signet  [www.gfsignet.com](http://www.gfsignet.com) (International)
- FIP  [www.fipnet.it](http://www.fipnet.it) (Europe only)

**GENERAL PRECAUTIONS**

Follow good piping practices and the manufacturer’s directions on surface preparation and cure times for solvent welding (gluing) PVC. Minimize threaded connections when possible. Weld all joints or use flanges with silicone or Teflon gaskets.

ALWAYS use personal protective equipment (PPE) and refer to the SDS for more information.