



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	(U.S. only)
Poly Processing	www.polyprocessing.com	(U.S. only)
Snyder Industries	www.snydernet.com	(U.S. only)
Rototec	www.rototec.it	(Europe only)
Roplast	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	(International)
Grundfos	www.grundfos.com	(International)
Ebara	www.pumpsebara.com	(International)

METERING PUMPS - SOLENOID DRIVEN

Wetted Material: PVC, Stainless Steel
Diaphragm: Teflon
Seals/O-Rings: Hypalon, PTFE, Santoprene, Silicone
Manufacturers:

Neptune	www.neptune1.com	(International)
Prominent	www.prominent.com	(International)
LMI	www.lmi-pumps.com	(U.S. only)

METERING PUMPS - HYDRAULIC DIAPHRAGM

Recommended Material: Stainless Steel
Diaphragm: Santoprene, Teflon
Seals/O-Rings: Hypalon, Santoprene, Silicone, Teflon
Manufacturers:

Yamada	www.yamadacorp.co.jp	(International)
Neptune	www.neptune1.com	(International)
PulsaFeeder	www.pulsa.com	(International)

VALVES - PIPING - FLOWMETERS

Recommended Material: Stainless Steel, PVC
Seals/O-Rings: Santoprene, Silicone, Teflon
Manufacturers:

NIBCO® Chemtrol®	www.nibco.com	(International)
GPI	www.gpi.net	(U.S. only)
+GF+ Signet	www.gfsignet.com	(International)
FIP	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.

INCOMPATIBLE MATERIALS

Buna N	Natural Rubber	Viton
Buna S	Neoprene	
CPVC	Nitrobutyl rubber	
EPDM	Nylon	

