
Enviro-Brom® 20L (water-based DBNPA) Recommended Materials of Construction/Pumps for Neat (Concentrated) Product

Acceptable:

- FRP* Bisphenol
- FRP* Isophthalic
- Hypalon
- Kynar (PVDF)
- Polyethylene – cross linked, low density, high density
- Polypropylene
- PVC
- Teflon

Materials to Avoid:

- Carbon Steel
- Copper
- Stainless Steel**

Gasket Materials:

- Viton resins, all types
- Teflon, Gortex
- Chlorinated polyethylene (CPE)

Springs:

- Hastelloy C-276
- Coated Teflon
- Titanium

*FRP = fiberglass reinforced plastic

**316 Stainless steel can be used for short-term storage or transport, but should be washed thoroughly after use to prevent general corrosion & pitting.

PUMPS:

- Enviro-Brom 20L is a stable water-based *suspension* of DBNPA particles and sodium bromide. Normal ball and seat chemical pump check valves may trap small particles and cause the pump to lose prime. Therefore, we recommend:
- Eductors (vacuum) operated by solenoids for the drive water. Recycled process water may be used. Use larger diameter suction tube (reasonable in relation to the eductor), as the neat product is slightly viscous.
- Peristaltic pumps. Any tubing (such as Hypalon or Norprene) that can normally be used with bleach-type products is acceptable.