# Diaphragm Pumps
# Product Selection Matrix

Balcrank
Fluid Dispensing Systems

| MAX. FREE FLOW | AIR INLET | FLUID IN / OUT | WETTED PARTS | | RECOMMENDED FLUID TYPES | RECOMMENDED APPLICATIONS |
|---|---|---|---|---|---|---|
| | | | CHECK BALLS | DIAPHRAGM | | |
| **UP03 POLYPROPYLENE** | | | | | | |
| 8.2 gal/min (3 l/min) | 1/4" NPSM(F) | 3/8" NPT(F) | PTFE | Santoprene | Light viscosity fluids synthetic, mineral, oils, used oil, and anti-freeze | Fluid dispensing, transfer, and evacuation |
| **UP05 ALUMINUM** | | | | | | |
| 13.5 gal/min (51 l/min) | 1/4" NPSM(F) | 1/2" NPT(F) | Hytrel® | Hytrel® | Light viscosity fluids synthetic, mineral, oils, used oil, and anti-freeze | Fluid dispensing, transfer, and evacuation |
| **UP05 POLYPROPYLENE** | | | | | | |
| 14.3 gal/min (54l/min) | 1/4" NPSM(F) | 1/2" NPT(F) | Santoprene | Santoprene | Light viscosity fluids synthetic, mineral, oils, used oil, and anti-freeze | Fluid dispensing, transfer, and evacuation |
| **CP10 ALUMINUM** | | | | | | |
| 14.3 gal/min (54l/min) | 1/2" NPSM(F) | 1" NPT(F) | Hytrel® | Hytrel® | Light viscosity fluids synthetic, mineral, oils, used oil, and anti-freeze | Fluid dispensing, transfer, and evacuation |
| **UP10 ALUMINUM** | | | | | | |
| 53 gal/min (200 l/min) | 1/2" NPSM(F) | 1" NPT(F) | Hytrel® | Hytrel® | Light viscosity fluids synthetic, mineral, oils, used oil, and anti-freeze | Fluid dispensing, transfer, and evacuation |
| **UP10 POLYPROPYLENE** | | | | | | |
| 53 gal/min (200 l/min) | 1/2" NPSM(F) | 1" NPT(F) | Santoprene | Santoprene | Light viscosity fluids synthetic, mineral, oils, used oil, and anti-freeze | Fluid dispensing, transfer, and evacuation |
| **UP15 ALUMINUM** | | | | | | |
| 35 gal/min (130 l/min) | 3/8" NPSM(F) | 1 1/2" NPT(F) | Hytrel® | Hytrel® | Light viscosity fluids synthetic, mineral, oils, used oil, and anti-freeze | Fluid dispensing, transfer, and evacuation |
| **UP20 ALUMINUM** | | | | | | |
| 170 gal/min (650 l/min) | 3/4" NPSM(F) | 2" NPT(F) | Hytrel® | Hytrel® | Light viscosity fluids synthetic, mineral, oils, used oil, and anti-freeze | Fluid dispensing, transfer, and evacuation |
| **UP30 ALUMINUM** | | | | | | |
| 265 gal/min (1000 l/min) | 3/4" NPSM(F) | 3" NPT(F) | Buna-N | Buna-N | Light viscosity fluids synthetic, mineral, oils, used oil, and anti-freeze | Fluid dispensing, transfer, and evacuation |
| **CONVENTIONAL UL ALUMINUM** | | | | | | |
| 45 gal/min (170l/min) | 1/2" NPT(F) | 1" NPT(F) | Nitrile | Nitrile | Light viscosity fluids synthetic, mineral, oils, used oil, and diesel | Fluid dispensing, transfer, and evacuation |
| **ELECTRIC DIAPHRAGM** | | | | | | |
| 8.5 gal/min (32.18l/min) | - | 1" BSPP(M) | - | Stainless Steel, Viton®, PPE | Anti-freeze (Glycol), windshield wash solution and DEF | Fluid dispensing, transfer, and evacuation |
| 9.5 gal/min (34.07l/min) | - | 1" BSPP(M) | - | Stainless Steel, Viton®, PPE | Anti-freeze (Glycol), windshield wash solution and DEF | Fluid dispensing, transfer, and evacuation |


UP03 POLY


UP05 ALU


UP05 POLY


CP10 ALU


UP10 ALU


UP10 POLY


UP15 ALU


UP20 ALU


UP30 ALU


1/2" UL


120 V AC ELEC.


12 V DC ELE

Pumps AODD