



KB Pumps Model Selection Guide

KB	25	B	PP	PP	TF	TF
	Dimension	Connections	Pump Body	Valve Seat	Valve Ball	Diaphragm
Pump inlet/outlet size	Connections	Material	Material	Material	Material	Material
06=1/4in(8 caliber) 10=3/8in(10 caliber) 15=1/2in(15 caliber) 20=3/4in(20 caliber) 25=1in(25 caliber) 40=1.5in(40 caliber) 50=2in(50 caliber) 80=3in(80 caliber) 100=4in(100 caliber)	B= BSPP N= NPT F= Flange	AC= Acetal PP= Polyethylene KY= PVDF SS= 304SST LL= 316SST CI= Cast iron AL= Aluminum	AC= Acetal PP= Polyethylene AL= Aluminum SS= 304SST LL= 316SST HY= Hytrel SP= Santoprene KY= PVDF TF= PTFE BN= Buna N VT= Viton GE=Geolast	AC= Acetal PP= Polyethylene AL= Aluminum SS= 304SST LL= 316SST HY= Hytrel SP= Santoprene TF= PTFE BN= Buna N VT= Viton GE=Geolast CE=Ceramic	TF= PTFE HY= Hytrel SP= Santoprene CR= Neoprene BN= Buna N VT= Viton GE=Geolast	

Materials and Suitable Temperature

• Sealing and diaphragm

Fluoroelastomer Viton	-40° F(-40°C)–350° F(176.6°C)
PTFE, Teflon	40° F(4.4°C)–350° F(176.6°C)
Santoprene	-20° F(-28.9°C)–220° F(104.4°C)
TPE Hytrel	-20° F(-28.9°C)–220° F(104.4°C)
UHMWPE, Polyethylene	0° F(-17.7°C)–140° F(60°C)
Leather	0° F(-17.7°C)–200° F(93.3°C)
Neoprene	0° F(-17.7°C)–212° F(100°C)
Buna-N	-40° F(-40°C)–250° F(121°C)
Polyurethane	-40° F(-40°C)–200° F(93.3°C)

• Body cavity flow

Acetal	40° F(4.4°C)–150° F(65.5°C)
PP, Polypropylene	40° F(4.4°C)–150° F(65.5°C)
Kynar, PVDF	40° F(4.4°C)–200° F(93.3°C)

KB AODD Pump Features:

- Explosion-proof, zero leak, simple operation
- Idling capability, Self suction, No complex control
- Can transmit the adhesive liquid and large particles
- low shearing, Not easy to destroy material structure
- Diversity of material, no rotating parts, applicable to various erosive situations
- By changing the air supply to adjust the flow delivery
- By changing the air pressure to adjust the pump lift
- Once over-loading, the pump will automatically stop
- No mechanical seat, easy maintenance, low cost.
- Modularization of main valve and air motor, No broken, easy to disassemble and repair.

Note:

1. The above material temperature limit did not involve external conditions such as pressure difference.
2. Suction height changes with the different combinations of ball, seat and the diaphragm materials.