

VENDOR CATALOG / FTI AIR

FTI Air Catalog

Air-operated double-diaphragm pumps — Non-Metallic and FDA-compliant lines, 1/4in to 3in, with a five-year warranty.

NON-METALLIC AODD PUMPS

FT025 – FT30P (1/4in to 3in)

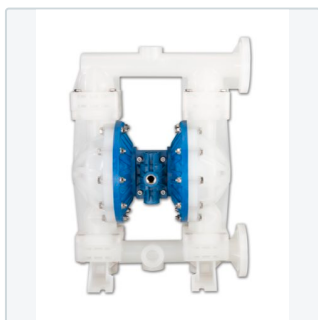
Polypropylene, PVDF, and Conductive Polypropylene wetted materials. Stall-free air valve design, bolted construction for leak-free handling, five-year warranty.



FT05 – 1/2in (13mm)

Polypropylene • PVDF • Conductive PP

Max flow 19 gpm (72 lpm); max air pressure 100 psi; max particle size 0.19in. Widest diaphragm-material range of the smaller sizes: Neoprene, Santoprene, FKM, EPDM, PTFE, Buna, Hytrel, Polyurethane.



FT15Z – 1-1/2in (38mm)

Polypropylene • PVDF • ANSI/DIN/ISO flange

Max flow 125 gpm (473 lpm); max air pressure 100 psi. Widest seat-material range in the line: PP, PVDF, Aluminum, 316SS, PTFE, Neoprene, Buna, EPDM, FKM, Santoprene, Hytrel, Polyurethane.



FT20 – 2in (51mm)

Polypropylene • PVDF • ANSI/DIN/ISO flange

Max flow 154 gpm (583 lpm); max air pressure 100 psi; max particle size 0.35in. Same broad diaphragm/ball material range as FT10 and FT15Z.

Model	Size	Max Flow	Connections	Notable
FT025	1/4in	5.8 gpm	NPT/BSPT, end porting	Only size offering Conductive PP
FT05	1/2in	19 gpm	NPT/BSP, end porting	Widest small-size diaphragm range
FT10	1in	49 gpm	ANSI/DIN/ISO flange	First size with flanged ports
FT15Z	1-1/2in	125 gpm	ANSI/DIN/ISO flange	Widest seat-material range in line

FT20	2in	154 gpm	ANSI/DIN/ISO flange	—
FT30P	3in	300 gpm	ANSI/DIN/ISO flange, center porting	PP only; all-stainless air valve; loudest & highest-flow in line

FDA-COMPLIANT AODD PUMPS

Metallic Stainless Steel & Non-Metallic Polypropylene

Constructed of materials safe for food, beverage, pharmaceutical, and cosmetic processes.
Standards compliance: FDA CFR21.177, EC Directive 1935/2004/EC, ATEX (metallic only), CE.



Metallic: Stainless Steel

316L stainless steel wetted components, passivated with satin finish, RA 200µ-in / 5.1µm surface finish. Tri-clamp connections. Powder-coated aluminum or polypropylene non-wetted parts. ATEX option available.

Pump Size (inlet/outlet)	Tri-Clamp Size
1/2in (13mm)	1in tri-clamp
1in (25mm)	1-1/2in tri-clamp
1-1/2in (38mm)	2in tri-clamp
2in (51mm)	2-1/2in tri-clamp
3in (76mm)	4in tri-clamp

Non-Metallic: FDA-compliant unfilled polypropylene wetted components, smooth easy-to-clean finish, stainless steel fasteners, threaded or ANSI/DIN/ISO flanged connections matching the standard non-metallic size line.

Applications span far beyond food: wine, vinegar, soy sauce, fruit juice, fish oil, molasses, ketchup, shampoo, glycerin, liquid soaps, honey, ointments, fluoride, hand cream, formaldehyde, dyes, and toothpaste.

ACCESSORIES

Shared Across the FTI Air Line

**AODD Dampener**

Pulsation dampener, 316L stainless steel with PTFE-backed diaphragm, fully automatic air control.

**Filter/Regulator**

Compact integrated design, dual psi/Bar gauge, filters to 5 microns, regulates 7.3-123 psig (0.5-8.5 bar).

**SPILLSTOP**

Fully pneumatic system that captures leaked product from diaphragm failure and auto-shuts-down the failed pump.

Accessory	Function
FT05 Drum Pump Kit	Converts 1/2in pump into a drum pump; self-adjusting intake tube; universal bung adapter
Batch Controller	Controls up to 2 pumps independently; 3 saved programs per pump; totalizer to 1M cycles
Cycle Counter	Counts pump cycles by detecting valve carrier presence; universal fit
Liquid Level Control	Pneumatic/mechanical, auto on/off based on liquid level

NEXT STEP

Send LibertyCES the process data, not a part number.

Non-Metallic and FDA-compliant AODD pump specs are real, but your actual application still has a specific chemical, concentration, temperature, and particle-size profile that determines the correct size and wetted material.

Fluid, chemistry, concentration, temperature, and hazardous-area requirements — that's what a real spec review needs to start.

Request a spec review

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