

QBY Air-Operated Double-Diaphragm (AODD) Pump

Sealless, self-priming pneumatic diaphragm pump — runs dry safely, passes solids, and handles corrosive, viscous and shear-sensitive fluids without a motor.

KEY FEATURES

- Sealless & self-priming; run-dry and deadhead safe
- Air-driven — spark-free, no electricity, suits hazardous areas
- Flow adjusted from the air line; gentle low-shear pumping
- Handles acids, slurries, viscous and solids-laden fluids

APPLICATIONS

- Chemicals & acids, electroplating, wastewater
- Food, beverage & pharmaceutical (stainless / hygienic)
- Ceramics & glaze, paint & ink, mining slurry



MODEL SELECTION TABLE

Model	Max Flow (m³/h)	Outlet (DN)	Outlet (inch)
QBY-10	0.8	DN10	3/8"
QBY-15	1	DN15	1/2"
QBY-25	2.4	DN25	1"
QBY-40	8	DN40	1-1/2"
QBY-50	12	DN50	2"
QBY-65	16	DN65	2-1/2"
QBY-80	24	DN80	3"
QBY-100	30	DN100	4"

GENERAL SPECIFICATIONS

Max air inlet pressure	0.7 MPa (7 bar)
Max discharge head	up to ~50 m
Max suction lift (dry)	up to 5 m
Media temperature	≤ 80 °C
Drive	Compressed air (no motor)

MATERIALS

Body	Aluminium, cast iron, SS304/316, PP, PVDF
Diaphragm	PTFE, Santoprene, NBR, Viton, EPDM, Neoprene
Balls & seats	PTFE, Santoprene, NBR, Viton, stainless

Stainless (QBYS) and PP/PVDF plastic versions available across the range. Specifications for reference; confirm final duty point and diaphragm with our engineers.