Air-Operated
Double Diaphragm Pumps

IWAKI AIR

1/4” TC-X031 Series

(PVDF/PTFE Only)

The TC-X031 Series compact pumps offer minimal flow rates and feature the new Looped C® Air Motor Technology.

Looped C®

Maximum Flow Rate: 2.1 GPM (8.0 LPM)
Maximum Discharge Head: 230 FT (70 M)
Available in: PVDF (Kynar®)
Spool valve type: Looped C-Spring Valve
Certification: CE, ATEX

SPECIFICATIONS

Material Code*	VT
Max Flow Rate	2.1 GPM (8.0 LPM)
Max Air Pressure	100 PSI (0.7 MPa)
Max Air Consumption	8.83 scfm (250 L/min)
Supply Air Pressure Range [1]	30-100 PSI (0.2 - 0.7 MPa)
Liquid Discharge Volume per cycle	0.5 oz (15 ML)
Connection Suction x Discharge	NPT 1/4”
Weight	3.7 LB (1.7 kg)

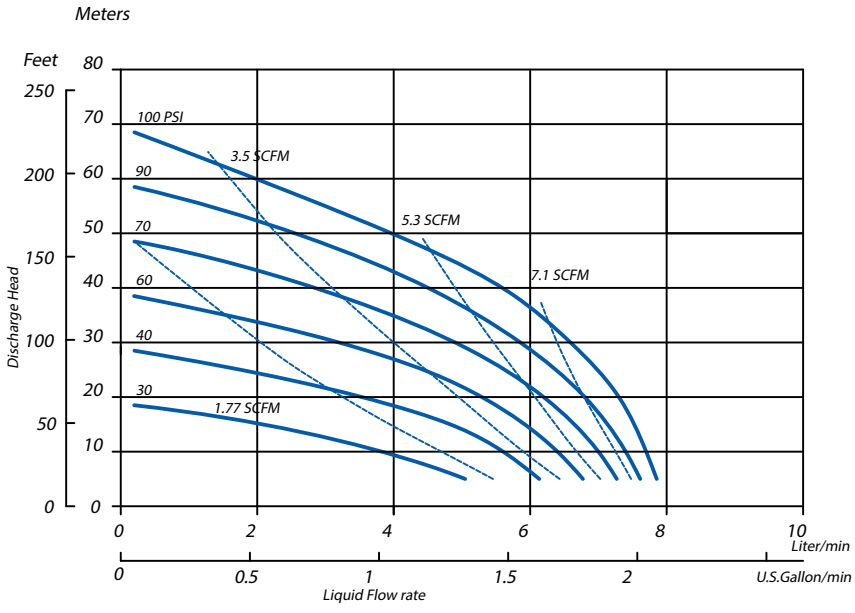
* See Chart and Model Number nomenclature on back page for materials
Note 1: A supply air pressure of 30 PSI (0.2 MPa) or more is required to operate the pump. If the supply pressure is less than 30 PSI (0.2 MPa), the pump may not operate properly.
Pump Liquid Temperature Range: 32-212°F(0~100°C)
Ambient Temperature Range: 32-158°F (0-70°C)
Not recommended for use in slurry liquid.
Viscosity Limit: ~100 cps (0.1 Pa-s) (Please contact your distributor for more details)

PERFORMANCE CURVES

TC-X031VT

Flow
Air

Conditions:
4” (10cm) flooded suction.
Ambient temperature: 79°F (26°C)
Liquid temperature: 73-77°F (23-25°C)



WET END MATERIALS

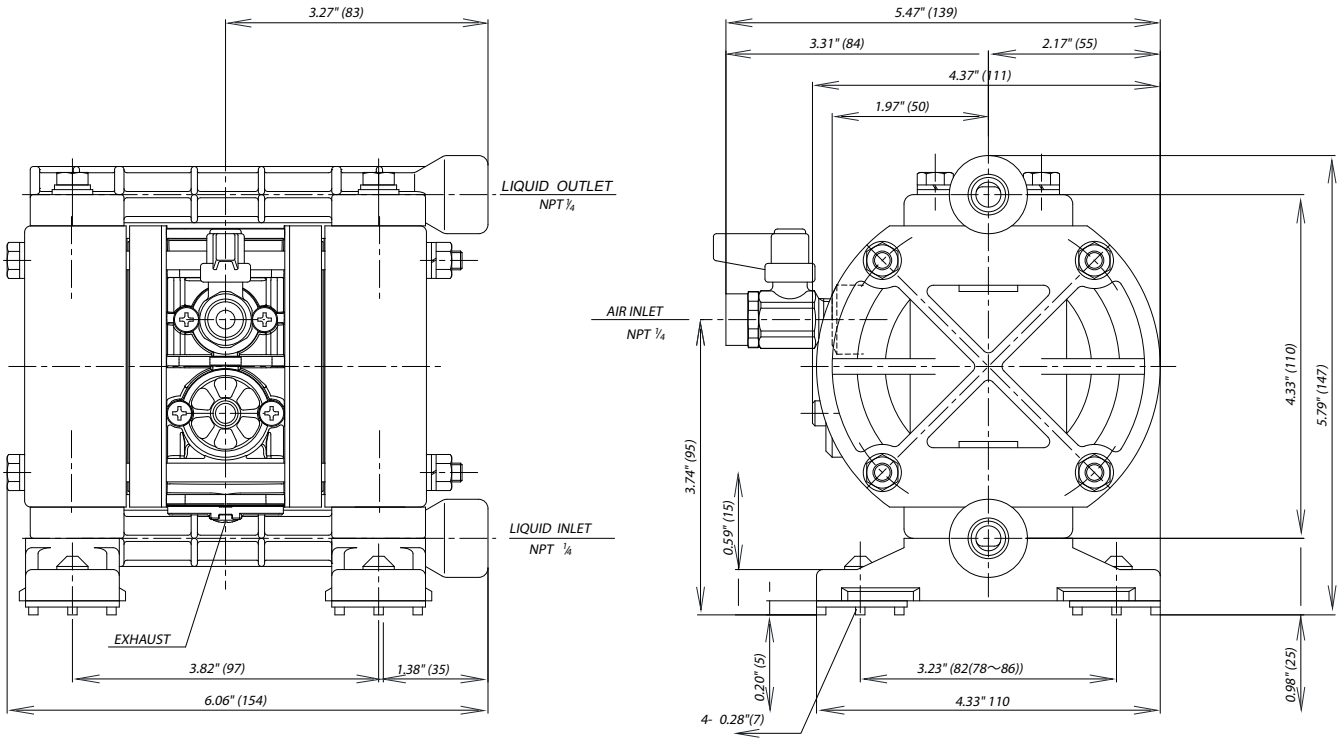
Model	TC-X 031
Part Name	**VT**
Pump Wetted Parts	PVDF
Diaphragm	PTFE
Flat Valve	PTFE
O-Ring	PTFE
Valve Seat	PVDF
Outer Diaphragm Plate	PVDF (SS304*)
Center Body	Ryton®

PTFE Polytetrafluoroethylene (Teflon®)
PVDF Polyvinylidene Fluoride (Kynar®)

*SS304 (Stainless Steel Grade 304) is the insert material
Ryton® Polyphenylene Sulphide (PPS)

DIMENSIONS

TC-X031VT



MODEL NUMBER NOMENCLATURE

TC-X | **031** | **V** | **T** | **N** | **X**

- **Other Options**
- **Connection Type**
  NPT: Threaded
- **Diaphragm Material**
  T: PTFE
- **Pump Body Material (wetted)**
  V: PVDF
- **Pump Connection Size**
  031 (1/4" x 1/4")
- **Series**
  TC-X

IWAKI AMERICA
Five Boynton Road, Holliston, MA 01746 USA
Tel: 508-429-1440 / service@iwakiamerica.com / www.IwakiAir.com