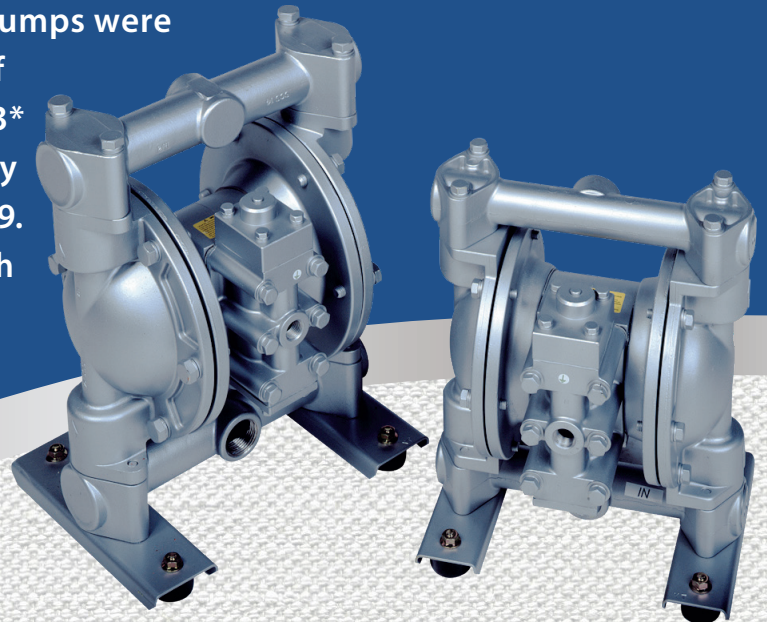


UL Listed Diaphragm Pumps

When transferring petroleum products using air-operated double diaphragm pumps, many local jurisdictions require a pump approved by Underwriters Laboratories Code 79. As a result, Yamada has developed a series of UL Listed Pumps to meet these requirements. Yamada 3/4" and 1" UL Listed Diaphragm Pumps were specifically designed for the safe transfer of volatile liquids at maximum capacities of 23* and 38 GPM*(87* and 144LPM*) respectively while maintaining strict adherence to UL Code 79. Pumps include aluminum wetted components with durable Hytrel® and PTFE elastomers.



Key Advantages

- Meets UL Code 79 Requirements
- Maximum transfer capacities as high as 38 GPM (144LPM)
- Patented, self-lubricating air valve never needs internal or external lubricating
- Non-stalling air valve which includes a non-centering, spring assisted shuttle ensures a positive shift every time
- Outside accessible air valve allows for inspection and maintenance without removing the pump from service
- Short stroke design reduces flex, extends diaphragm life



LISTED AIR OPERATED
DIAPHRAGM PUMPS FOR
PETROLEUM PRODUCTS 19GL

Applications

Gasoline
Kerosene
Diesel Fuel
Aviation Fuel
Fuel Oil
Waste Oil
Clay Powder
And other volatile
Petroleum products

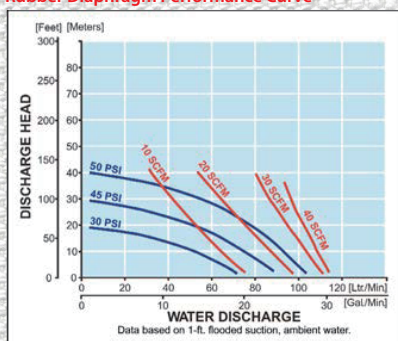
* UL Code 79 requires maximum pressure of 50PSI (0.35MPa) or less

UL Listed Diaphragm Pumps

SPECIFICATIONS	NDP-20BAH-UL	NDP-20BAT-UL	NDP-25BAH-UL	NDP-25BAT-UL
Part Number	852098-UL	851518-UL	852100-UL	851531-UL
Port Size	3/4"	3/4"	1"	1"
Diaphragm Material	Hytrel®	PTFE	Hytrel®	PTFE
Discharge Volume/Cycle	0.09 gal. (350mL)	0.06 gal. (240mL)	0.16 gal. (600mL)	0.13 gal. (500mL)
Port Dimensions: Fluid Inlet & Discharge	3/4" female NPT	3/4" female NPT	1" female NPT	1" female NPT
Air Inlet	1/4" female NPT	1/4" female NPT	3/8" female NPT	3/8" female NPT
Air Exhaust	3/4" female NPT	3/4" female NPT	3/4" female NPT	3/4" female NPT
Maximum Solid Size	< 1/16" (2.0mm)	< 1/16" (2.0mm)	< 3/32" (3.0mm)	< 3/32" (3.0mm)
Air Supply Pressure	50PSI (0.35MPa)	50PSI (0.35MPa)	50PSI (0.35MPa)	50PSI (0.35MPa)
Net Weight	18.1 lbs. (8.2 kg.)	18.1 lbs. (8.2 kg.)	28.6 lbs. (13.0 kg.)	28.6 lbs. (13.0 kg.)

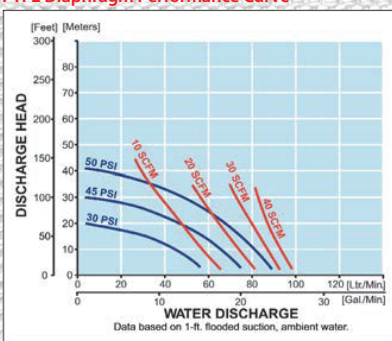
NDP-20-UL

Rubber Diaphragm Performance Curve



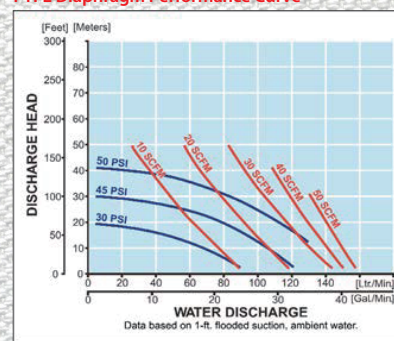
NDP-20-UL

PTFE Diaphragm Performance Curve



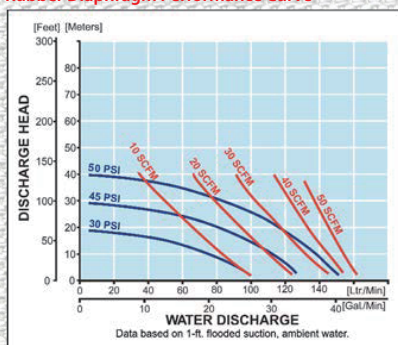
NDP-25-UL

PTFE Diaphragm Performance Curve

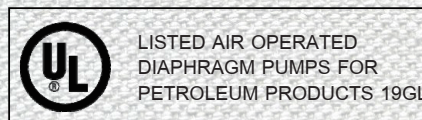


NDP-25-UL

Rubber Diaphragm Performance Curve



Curves based on 70°F water, 1 ft. flooded suction.
NOTE: UL79 Requirements restrict discharge pressure to no more than 50PSI.



For other material combinations, please consult the factory.

Your Local Distributor:

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