



DRAINER NLD SERIES FREE-FLOATING LEVER DRAINER ALL STAINLESS STEEL

Pressures to 400 psig (28 barg)
Temperatures to 500°F (260°C)
Loads to 2000 lbs.

Automatic and Positive Drain — Effectively removes liquids from compressed air systems with minimum air loss and rapid shutoff on load conditions

Inexpensive — Low maintenance and initial cost

Stainless Steel Body — Durable heavy wall construction provides years of reliable service and resists corrosion and freezing.

Maintenance Free — Sealed body design prevents tampering and no gaskets or adjustments are necessary

All Stainless Steel Construction — Long lasting, rugged, and corrosion resistant

Direct Lever Action — Ensures proper seating under all operating conditions

APPLICATIONS

- Removes liquid from air or gas systems
- Removes liquid from air or gas storage

Canadian Registration Number -
OE 10389.5 ADD1*

*Available only up to 307 psig.

MODELS

- **NLD-** Free Float liquid Drainer

ORDERING CODE

Model			Dash	Inlet Size	Outlet Size	Orifice
N	L	D	-	2	1	3
1	2	3	4	5	6	7

MODEL - Position 1 - 3
NLD - Drainer Series

DASH - Position 4

INLET SIZE - Position 5
2 = 3/4"

OUTLET SIZE - Position 6
1 = 1/2"

ORIFICE - Position 7
1 = 1/8"
2 = 3/32"
3 = 5/64"

OPERATION

The all stainless steel drainer removes liquids from a pressurized air /gas system. The float and lever-operated design provides instantaneous and automatic adjustment to variations in flow and pressure.

As liquid enters the top of the drainer, it starts to lift the float up and open the valve. When the liquid is removed, it falls back down to close the valve. This cycle repeats as more liquid accumulates in the drainer.

DRAINER NLD SERIES

FREE-FLOATING LEVER DRAINER

ALL STAINLESS STEEL

SPECIFICATION

The liquid drain trap shall be of a float type design with all stainless steel components including, sealed body, seat and valve. It is available in 3/4" x 1/2" NPT connections.

MATERIALS OF CONSTRUCTION

Body	AISI 304 SS
Connectors	AISI 304 SS
Float	AISI 304 SS
Lever	AISI 304 SS
Bracket Clip	AISI 304 SS
Valve	Hardened Chrome Steel AISI D3
Valve Seat	Hardened Chrome Steel AISI D3

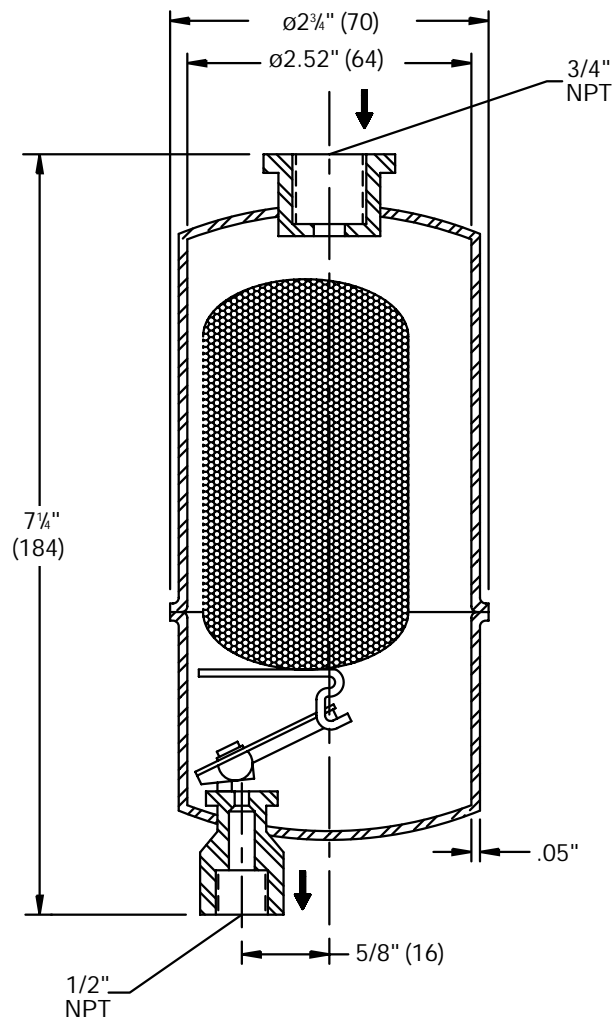
MAXIMUM OPERATING CONDITIONS

PMO: Maximum Operating Pressure	See table below
PMA: Maximum Allowable Pressure	400 psi (28 bar)
TMA: Maximum Operating Temperature	500°F (260°C)

Orifice	Max. Operating Pressure psi (bar)
1/8"	175 psi (12)
3/32"	300 psi (21)
5/64"	400 psi (28)

CRITICAL DIMENSIONS

Height	7 1/4"
Diameter	2 3/4"
Wall	0.05"
Pipe Connections	NPT





VENTER NAV SERIES FREE-FLOATING LEVER AIR VENTER

Pressures to 400 psig (28 barg)
Temperatures to 500°F (260°C)

Automatic and Positive Vent — Effectively provides automatic positive venting of Air/Gas under pressure

Inexpensive — Low maintenance and initial cost

Stainless Steel Body — Durable heavy wall construction provides years of reliable service and resists corrosion and freezing.

Maintenance Free — Sealed body design prevents tampering and no gaskets or adjustments are necessary

All Stainless Steel Construction — Long lasting, rugged, and corrosion resistant

Direct Lever Action — Ensures proper seating under all operating conditions

APPLICATIONS

- For Hot or Cold Water and Non-Viscous Liquid Systems
- For the removal of air and other gases
 - From hydronic heating,
 - From cooling systems,
 - Liquid chilling operations, and other light liquid services.

Canadian Registration Number -
OE 10389.5 ADD1*

*Available only up to 307 psig.

MODELS

- **NAV-** Free Float Air / Gas Vents

ORDERING CODE

Model				Inlet Size	Outlet Size	Orifice
N	A	V	-	2	1	1
1	2	3	4	5	6	7
MODEL - Position 1 - 3 NAV - Venter Series				OUTLET SIZE - Position 6 1 = 1/2"		
DASH - Position 4				ORIFICE - Position 7 1 = 1/8"		
INLET SIZE - Position 5 1 = 1/2" 2 = 3/4"				2 = 3/32" 3 = 5/64"		

OPERATION

The all stainless steel air/gas vent allows for the removal of air/gas from a pressurized liquid system. The float and lever-operated design provides instantaneous and automatic adjustment to variations in flow and pressure.

The valve is closed in the presence of liquid. As air/gas enters the bottom of the venter, the float begins to drop and open the valve. When air is removed, it lifts back up to close off the valve. This cycle repeats as more air/gas builds up.

VENTER NAV SERIES

FREE-FLOATING LEVER AIR VENTER

SPECIFICATION

The air/gas vent shall be of a float-type design capable of discharging air or gas in a pressurized liquid system. All components including sealed body, seat, and valve are made of stainless steel and are available with a 1/2" or 3/4" NPT inlet and 1/2" NPT outlet.

MATERIALS OF CONSTRUCTION

BodyAISI 304 SS
 ConnectorsAISI 304 SS
 FloatAISI 304 SS
 LeverAISI 304 SS
 Bracket ClipAISI 304 SS
 ValveHardened Chrome Steel AISI D3
 Valve SeatHardened Chrome Steel AISI D3

MAXIMUM OPERATING CONDITIONS

PMO: Maximum Operating Pressure See table below
 PMA: Maximum Allowable Pressure 400 psi (28 bar)
 TMA: Maximum Operating Temperature 500°F (260°C)

Orifice	Max. Operating Pressure psi (bar)*
1/8"	175 (12)
3/32"	300 (21)
5/64"	400 (28)

* Good for liquids with SG of 1.0 but will also work down to SG of 0.75

CRITICAL DIMENSIONS

Height7 1/4"
 Diameter2 3/4"
 Wall0.05"
 Pipe ConnectionsNPT

