

PRODUCT CATALOG



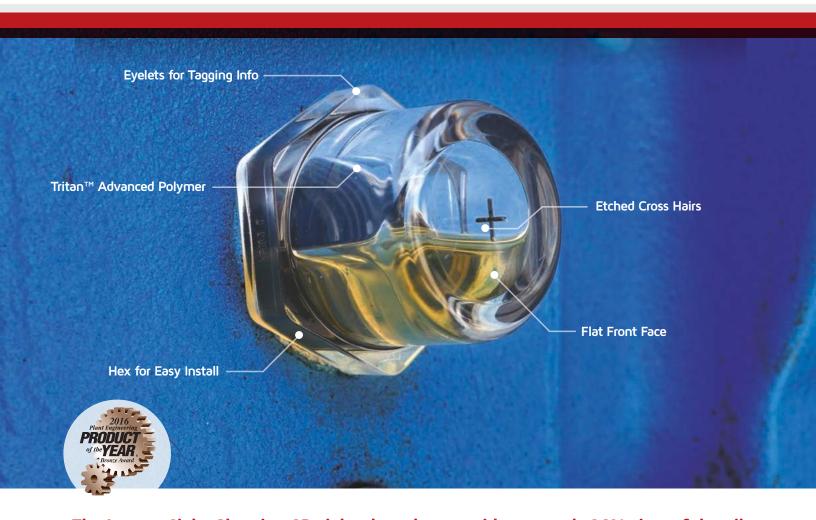




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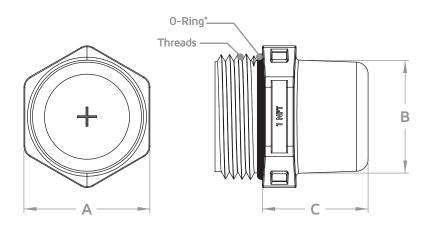
THE SIGHT GLASS

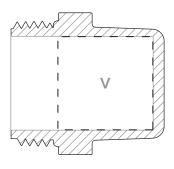


The Luneta Sight Glass is a 3D sight glass that provides a nearly 360° view of the oil thanks to the ultra-durable, crystal-clear and chemically resistant Tritan™ material.

This patent pending design is the perfect tool to assist with daily one minute inspections. The design features a flat front face for application of a pen light or camera for closer inspection and analysis. A built-in hex makes installation easy with a socket wrench or pliers. Two eyelets are provided for tagging useful information such as oil type and an oil color change card. And all of these features are packed into a single molded piece to eliminate leak points and improve reliability. Be sure to check out the impact test videos online to witness the true strength of Luneta's engineering and the TritanTM material.







A - Hex | B - Diameter | C - Length | V - Volume

		SPECI	FICAT	IONS

• **Application:** Oil level and drain ports

Volume: Varies (see table)
Threads: Varies (see table)
Dimensions: Varies (see table)

Shipping Weight: From 0.16 to 1.76 oz
 Recommended Temperature: -40°F to

200°F (-40°C to 93°C)

• Recommended Pressure: 65 psi./4.5 bar

• **Materials: Body:** Tritan[™] (a patented, crystal clear and chemically resistant material); **O-Rings:** Viton[™]

• **Outdoor Compatibility:** UV-resistant to protect against long-term sun exposure

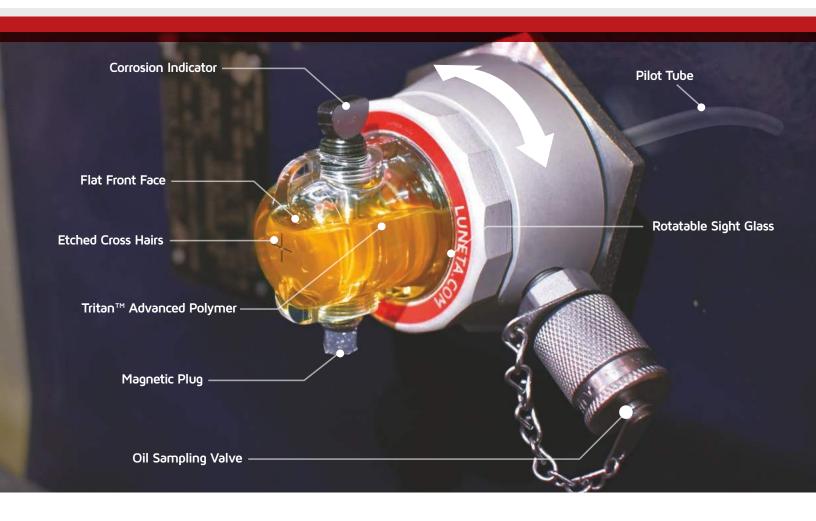
• **Chemical Compatibility:** Resistant to mineral and synthetic oils that are compatible with fluorocarbon elastomers (*Viton*™) and PMMA (*acrylic*) plastic

• **O-Rings:** Included with BSPP and metric threads only



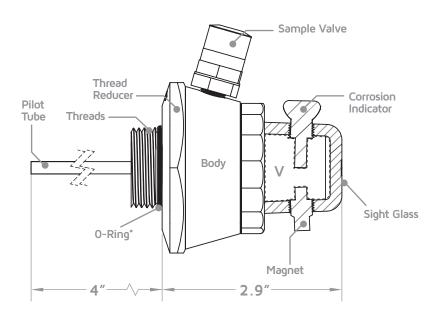
THREADS	PART NUMBER	А	В	С	V
1/4" NPT	SG.025NPT	5/8"	.46"	.73"	.022 fl.oz.
3/8" NPT	SG.038NPT	3/4"	.63"	.98"	.054 fl.oz.
1/2" NPT	SG.050NPT	7/8"	.78"	.98"	.063 fl.oz.
3/4" NPT	SG.075NPT	1 1/8"	1.00"	1.10"	.148 fl.oz.
1" NPT	SG.100NPT	1 5/16"	1.18"	1.10"	.248 fl.oz.
1-1/4" NPT	SG.125 NPT	1 9/16"	1.44"	1.25"	.50 fl.oz.
1-1/2" NPT	SG.150 NPT	1 13/16"	1.70"	1.34"	.78 fl.oz.
2" NPT	SG.200NPT	AVAILABLE END OF 2022			022
1/4" BSPP	SG.025BSPP	5/8″	.46"	.73"	.022 fl.oz.
3/8" BSPP	SG.038BSPP	3/4"	.63"	.98"	.054 fl.oz.
1/2" BSPP	SG.050BSPP	7/8"	.78"	.98"	.063 fl.oz.
3/4" BSPP	SG.075BSPP	1 1/8"	1.00"	1.10"	.148 fl.oz.
1" BSPP	SG.100BSPP	15/16"	1.18"	1.10"	.248 fl.oz.
M10X1.0	SG.M10X10	7/16"	.32"	.59"	.004 fl.oz.
M10X1.5	SG.M10X15	7/16"	.32"	.59"	.004 fl.oz.
M12X1.5	SG.M12X15	7/16"	.32"	.59"	.004 fl.oz.
M16X1.5	SG.M16X15	5/8"	.46"	.71"	.021 fl.oz
M20X1.5	SG.M20X15	7/8"	.78"	.96"	.061 fl.oz.
M22X1.5	SG.M22X15	7/8"	.78"	.96"	.061 fl.oz.

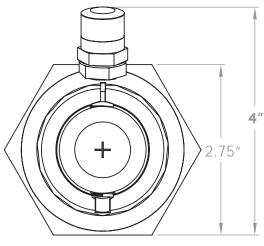
THE CMP



The Condition Monitoring Pod® (CMP®) is a patented multiparameter inspection tool that modernizes and expands daily one-minute inspections. The CMP provides a nearly 360° view of the oil thanks to the ultra-durable, crystal-clear and chemically resistant Tritan™ material. The flat front face is designed for application of a pen light or camera for closer inspection and analysis. A visible corrosion indicator signals when the oil's chemistry has changed and begun to attack vulnerable metals. A visible magnetic plug is also provided to capture and display ferrous wear debris. Both the corrosion indicator and magnetic plug are removable for further inspection thanks to a rotatable sight glass. And lastly, if lab testing of the oil is required, the CMP has a built-in sampling valve with an attached pilot tube for live-zone sampling.







V - Volume

SPECIFICATIONS

• **Application:** Oil level ports • **Volume:** See table

• Threads: Varies (see table) • **Dimensions:** 2.9"L x 2.75"W x 4"H

• Shipping Weight: 1.2 lbs. • Recommended Temperature: -40°F to 200°F (-40°C to 93°C)

• **Recommended Pressure:** Low pressure applications

• **Sampling/Drain Valves:** Standard flow sampling valve (*M16x2*)

• **Materials: Sight Glass:** Tritan[™] (a patented, crystal clear and chemically resistant *material*); **Body:** anodized aluminum; **Magnet:** strong neodymium rare earth magnet; Thread Reducer: zinc-plated and stainless steel; Pilot Tube: stainless steel; **Sampling Valve:** zinc-plated steel; **O-Rings:** Viton™; **Gasket:** Viton™

• Outdoor Compatibility: UV-resistant to protect against long-term sun exposure

• Chemical Compatibility: Resistant to mineral and synthetic oils that are compatible with fluorocarbon elastomers (Viton™) and PMMA (acrylic) plastic

• **Includes:** Tritan[™] sight glass, Standard flow sampling valve with pilot tube, steel reducer, aluminum body, magnetic plug, steel corrosion indicator and Viton™ Gasket

		v - volume
THREADS	PART NUMBER	V
1/2" NPT	CMPOD.050NPT	.17 fl.oz.
3/4" NPT	CMPOD.075NPT	.29 fl.oz.
1" NPT	CMPOD.100NPT	.58 fl.oz.
1-1/4" NPT	CMPOD.125NPT	.58 fl.oz.
1-1/2" NPT	CMPOD.150NPT	.58 fl.oz.
2" NPT	CMPOD.200NPT	.58 fl.oz.
1/2" BSPP	CMPOD.050BSPP	.17 fl.oz.
1/2" BSPT	CMPOD.050BSPT	.17 fl.oz.
3/4" BSPP	CMPOD.075BSPP	.29 fl.oz.
1" BSPP	CMPOD.100BSPP	.58 fl.oz.
1-1/4" BSPP	CMPOD.125BSPP	.58 fl.oz.
1-1/2" BSPP	CMPOD.150BSPP	.58 fl.oz.
2" BSPP	CMPOD.200BSPP	.58 fl.oz.
2" BSPT	CMPOD.200BSPT	.58 fl.oz.
M20x1.5	CMPOD.M2015	.17 fl.oz.
M22x1.5	CMPOD.M2215	.17 fl.oz.
M24x1.5	CMPOD.M2415	.17 fl.oz.
M26x1.5	CMPOD.M2615	.29 fl.oz.
M27x1.5	CMPOD.M2715	.29 fl.oz.
M30x2.0	CMPOD.M3020	.29 fl.oz.
M33x1.5	CMPOD.M3315	.58 fl.oz.
M36x1.5	CMPOD.M3615	.58 fl.oz.
M41x1.5	CMPOD.M4115	.58 fl.oz.
M42x2.0	CMPOD.M4220	.58 fl.oz.
M42x1.5	CMPOD.M4215	.58 fl.oz.



Standard Flow Sampling Kit SAMPLINGKIT.STD



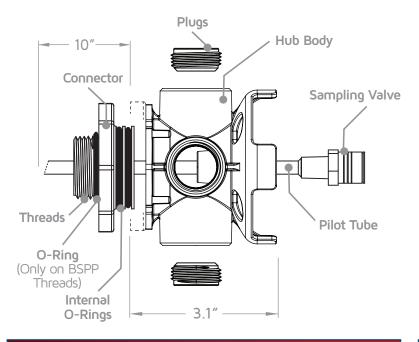
Silicone CMP Cover COVER.POD

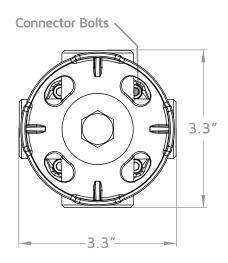
THE HUB



The Hub's patent-pending design turns one port into five. Eliminate the need to build elaborate assemblies of elbows, crosses and T's just because there is only one port on your machine. The Hub provides two lateral 1" NPT ports, two lateral 3/4" NPT ports, and one central 1/4" NPT port that is designed primarily for a sampling valve. The central port is shielded to protect the sampling valve from accidental impacts and debris. The lateral ports can be used to attach drain valves, quick connects, filter carts, bowls, columns and sight glasses. The Hub is adjustable every 45° so an optimal orientation can be achieved during installation. The Hub is best used in conjunction with Luneta's Column and Bowl. The Hub ships with a sampling valve, stainless steel pilot tube and four steel plugs to seal any unused ports.







SPECIFICATIONS

• **Application:** Oil level and drain ports

• Threads: Varies (see table)

Dimensions: 3.1"L x 3.3"W x 3.3"H
Shipping Weight: 3.5 lbs. each

• Recommended Temperature: -40°F to 400°F (-40°C to 204.4°C)

• Recommended Pressure: 65 psi./4.5 bar

• **Sampling Valve Options:** Standard (*M16x2*) **OR** high flow sampling valve with 12-inch pilot tube

Materials: Body: 304 Stainless Steel; Connector: zinc-plated steel;
 Plugs: zinc-plated steel; Sampling Valve: zinc-plated steel; Bolts: stainless steel;
 Pilot Tube: stainless steel; O-Rings: Viton™

• Outdoor Compatibility: Yes

• **Chemical Compatibility:** Resistant to mineral and synthetic oils that are compatible with fluorocarbon elastomers (*Viton*™)

• **The Hub Includes:** The hub body, connector, 1" plugs (2), 3/4" plugs (2), sampling valve, pilot tube, connector bolts (4), hex keys for plugs and connector bolts

TUDEADC	PART NUMBER		
THREADS	HIGH FLOW VALVE	STANDARD FLOW VALVE	
1/2" NPT	*HUB.050NPT	HUB.050NPT.STD	
3/4" NPT	HUB.075NPT	HUB.075NPT.STD	
1" NPT	HUB.100NPT	HUB.100NPT.STD	
1-1/4" NPT	HUB.125NPT	HUB.125NPT.STD	
1-1/2" NPT	HUH.150NPT	HUB.150NPT.STD	
1/2" BSPP	HUB.050BSPP	HUB.050BSPP.STD	
3/4" BSPP	HUB.075NPT	HUB.075BSPP.STD	
1" BSPP	HUB.100NPT	HUB.100BSPP.STD	

^{*} Available but not recommended



Sampling Kit SAMPLINGKIT.HIGH



Sampling Probe PROBE.HIGH



Bowl.XXX



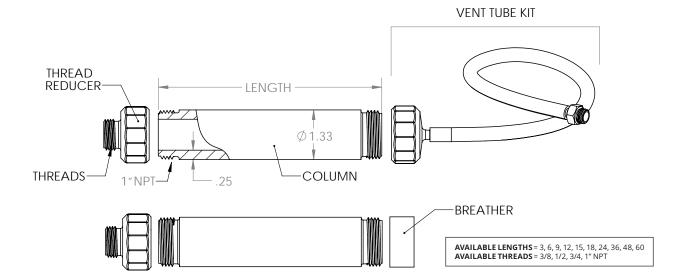
Column COLUMN.XXX

THE COLUMN



The Column is a 3D sight glass designed for monitoring of fluids with greater fluctuations in level. The Column can be installed at the drain port or anywhere below the oil level. Included red and green level rings provide easy monitoring of the level between idle and running conditions. The level rings have a tamper-proof design to prevent accidental adjustments. The top of the Column includes either a 3-micron stainless breather or a vent tube kit for plumbing the air back to the headspace of the oil reservoir. The Column is made of the crystal-clear and chemically resistant Tritan™ material with 1″ NPT threads for extra durability and also includes zinc-plated or stainless steel steel thread reducers. The Column works great with Luneta's Hub and Bowl. There is also a bypass tubing kit so the Column can be used in conjunction with a filter cart.





Part Numbers



Length

03,06,09,12,15,18,24,36,48,60 (e.g. 03 = 3")

Threads

038,050,075,blank=1"NPT (e.g. 075 = 3/4"NPT)

Vent or Breather at Top VNT or B

EXAMPLES

COLUMN.06B.075.T = 6" long Tritan Column with a 3 Micron breather at the top and 3/4" NPT threads at the bottom

COLUMN.12VNT.T = 12" long Tritan Column with a Vent-to-Headspace tube at the top and 1" NPT threads at the bottom

SPECIFICATIONS

- **Application:** Drain ports
- **Dimensions:** Varies (see drawing)
- **Shipping Weight:** From 7 oz to 2 lbs
- **Recommended Temperature:** -40°F to 200°F (-40°C to 93°C)
- Recommended Pressure: 65 psi./4.5 bar
- Materials: Column: Tritan™ (a patented, crystal clear and chemically resistant material); Level Rings: high-strength nylon;
 Breather (Optional): stainless steel 3-micron filter; Vent Tube Kit (Optional): zinc-plated and stainless steel and LLDPE tubing;
 Thread Reducer: zinc plated and stainless steel
- Outdoor Compatibility: UV-resistant to protect against long-term sun exposure
- Chemical Compatibility: Resistant to mineral and synthetic oils that are compatible with PMMA (acrylic) plastic
- Includes: column sight glass, level rings, steel thread adapter and breather OR vent tube kit



Column Cover COVER.COLUMN



Breather 3-micron BREATHER.COLUMN

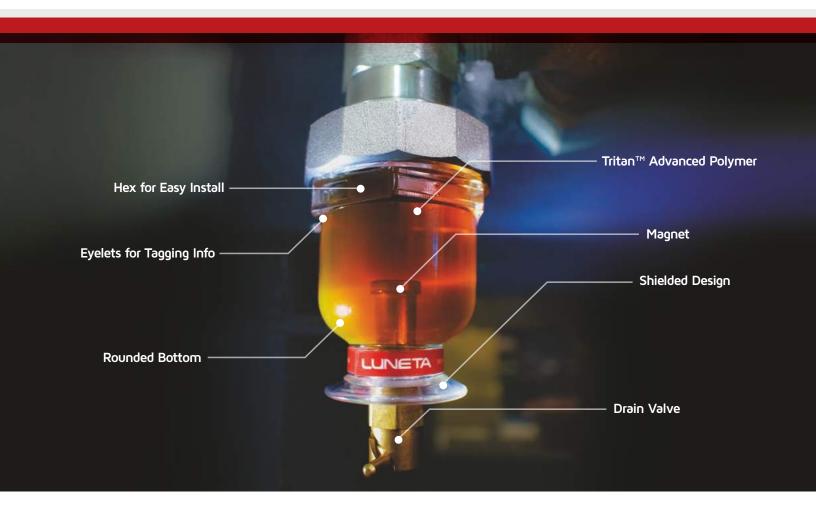


Bypass Tubing Kit BYPASS.COLUMN



Vent Tube Kit VENT.COLUMN

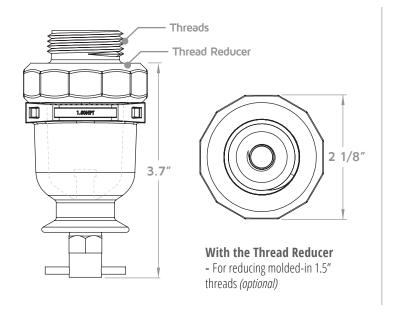
THE BOWL

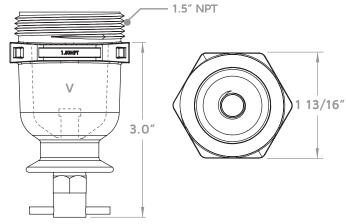


The Bowl is a patent-pending 3D sight glass created specifically for the drain port.

The Bowl is designed to both condition monitor and to trap and purge bottom sediment and water. The rounded bottom and accompanying drain valve efficiently captures and purges both water and sediment that gravity pulls to the bottom. A built-in magnet captures and displays ferrous wear debris. A shield protects the outside of the valve from accumulating debris and impacts. Like other Luneta products, the Bowl provides a nearly 360° view of the oil thanks to the ultra-durable, crystal-clear and chemically resistant Tritan™ material. A built-in hex makes installation easy with a socket wrench or pliers. Two eyelets are provided for tagging useful information such as oil type and an oil color change card. And all of these features are packed into a single molded piece to eliminate leak points.



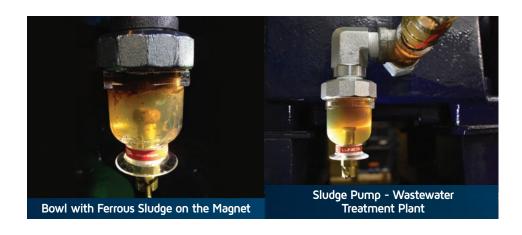




V - Volume

SPECIFICATIONS
Application: Drain ports
• Volume: 1.0 fl.oz.
• Threads: Varies (see table)
• Dimensions: (see graphic)
Shipping Weight: 12 oz. each
5
• Recommended Temperature: -40°F to 200°F (-40°C to 93°C)
• Recommended Pressure: 65 psi./4.5 bar
Sampling/Drain Valves: Drain valve, spiral to open, turn to lock
• Materials: Bowl: Tritan TM (a patented, crystal clear and chemically resistant material
Thread Reducer: zinc-plated steel; Drain valve: brass;
Magnet: strong neodymium rare earth magnet
Outdoor Compatibility: UV-resistant to protect against long-term sun
exposure
Chemical Compatibility: Resistant to mineral and synthetic oils that are
compatible with fluorocarbon elastomers (Viton™) and PMMA (acrylic) plastic
• Includes: bowl, drain valve with magnet and thread reducer plate if required

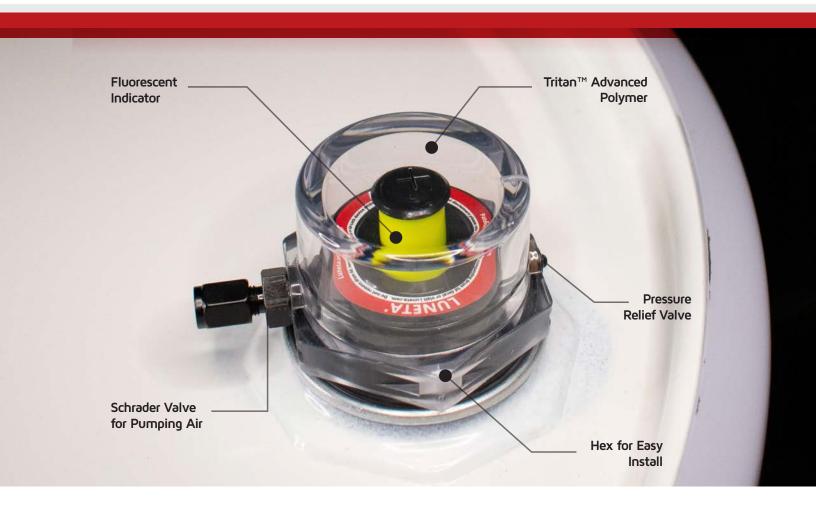
THREADS	PART NUMBER	V	
3/8" NPT	BOWL.038.MAG	1.0 fl.oz.	
1/2" NPT	BOWL.050.MAG	1.0 fl.oz.	
3/4" NPT	BOWL.075.MAG	1.0 fl.oz.	
1" NPT	BOWL.100.MAG	1.0 fl.oz.	
1-1/2" NPT	BOWL.150.MAG	1.0 fl.oz.	





Magnetic Drain Valve DVALVE.MAG

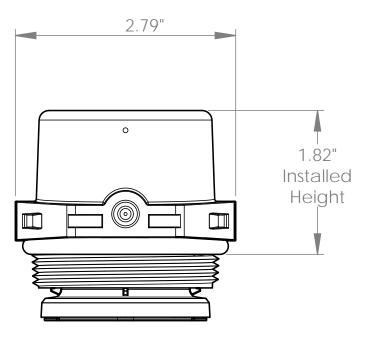
Air-Lock

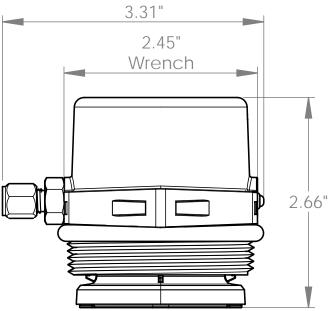


Air-Lock protects oil drums against contaminant ingression during storage.

Temperature changes frequently cause breaches in drum seals allowing contaminated air (particles and moisture) to enter the drum headspace. Such contaminants during storage harm additive packages, increase oxidation, and leads to higher filtration costs. Air-Lock's patented design prevents contamination by increasing the headspace air pressure, which acts as a barrier against contaminants. Air-Lock also features a yellow fluorescent indicator to indicate a good seal, and that pressure is maintained. Stop contamination with confidence and get Air-Lock today.







THREADS	PART NUMBER
2" NPT	AIRLOCK

SPECIFICATIONS

• **Application:** Oil Storage Drums

• Threads: 2" NPT

• **Dimensions:** (see graphic)

• Shipping Weight: 6 oz. each

• Recommended Temperature: -40°F to 200°F (-40°C to 93°C)

• Recommended Pressure: 2.5 psi./0.17 bar

• **Materials: Sight Glass:** Tritan[™] (a patented, crystal clear and chemically resistant material); Internal Assembly: PA6 Nylon; **O-rings:** Viton; **Diaphragm:** Viton; **Springs:** 302 Stainless Steel; **Screws:** 302 Stainless Steel; **Schrader Valve:** Brass;

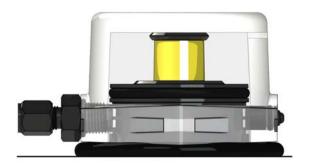
Valve Cap: Aluminum

- Outdoor Compatibility: UV-resistant to protect against longterm sun exposure.
- Chemical Compatibility: Resistant to mineral and synthetic oils that are compatible with fluorocarbon elastomers (Viton™) and PMMA (acrylic) plastic.

NOT SEALED



SEALED



ACCESSORIES









STEEL CORROSION INDICATORS

Detect abnormal corrosion and varnish conditions with these Steel Corrosion Indicators. They are designed to work with the Condition Monitoring Pod. The indicators are available as a three pack.

Specs: 1/8" NPT, unfinished steel with black handle, and $Viton^{TM}$ O-ring

FE.INDICATOR.POD.K

COPPER CORROSION INDICATORS

Assess the condition of internal surfaces made from bronze or brass with these Copper Corrosion Indicators. They are designed to work with the Condition Monitoring Pod. The indicators are available as a three pack.

Specs: 1/8" NPT, copper meets ASTM D130, and Viton™ O-ring

CU.INDICATOR.POD.K

MAGNETIC PLUGS

Collect ferrous wear particles with our Magnetic Plug. Designed to work with the Condition Monitoring Pod. The plugs are available as a three pack.

Specs: 1/8" NPT, stainless steel, strong neodymium rare earth magnets, 3/16" hex, and Viton™ O-ring MAGNET.POD.K

CMP SIGHT GLASS REPLACEMENT KIT

The CMP's Sight Glass is made of the patented Tritan[™] copolyster, one of the most impact and chemically resistant materials available. However should the impossible happen and the CMP's sight glass need to be replaced, this kit will do the job.

Included: Steel corrosion indicator, Magnetic plug, O-ring grease, Tritan™ sight glass with O-ring and installation instructions

SG.100F2P.K, SG.075F2P.K or SG.050F2P.K

TUBE BENDER

Choose your exact pilot tube bend locations and the angles which best place the tip of the pilot tube within your machine for good sampling with our Tube Bender. It is designed to work with the Condition Monitoring Pod and Hub.

Specs: For 3/16", 1/4" or 5 mm diameter tubing









SILICONE CMP COVER

If your Condition Monitoring Pod is exposed to the elements, is in a high-dust environment or is in proximity to other extreme conditions, then keep it clean with our Silicone CMP Cover. It is designed to work with the Condition Monitoring Pod.

Specs: Red, chemical and impact resistant silicone rubber; operating temperature -55°C to +300°C COVER.POD

HIGH FLOW SAMPLING PROBE

For attaching vacuum sampling pump to high flow sampling valve.

Specs: Sampling probe with barb for 0.23" inside diameter tubing; 6" length of LLDPE tubing included PROBE.HIGH

STANDARD FLOW SAMPLING PROBE

For attaching vacuum sampling pump to standard flow sampling valve.

Specs: Sampling probe with barb for 0.17" inside diameter tubing; 6" length of LLDPE tubing included PROBE.STD

HIGH FLOW OIL SAMPLING KIT

Draw representative oil samples with our Sampling Kit. The kit is designed to work with the Hub (high flow sampling probe).

Specs: Vacuum pump, 6' LDPE tubing, high flow sampling probe, 1 (16 oz) purge bottle, 4 (4 oz) sample bottles SAMPLINGKIT.HIGH

STANDARD FLOW OIL SAMPLING KIT

Draw representative oil samples with our Sampling Kit. The kit is designed to work with the Condition Monitoring Pod and the Hub (standard flow sampling probe).

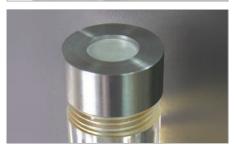
Specs: Vacuum pump, 6' LDPE tubing, standard flow sampling probe, 1 (16 oz) purge bottle,

4 (4 oz) sample bottles

SAMPLINGKIT.STD

ACCESSORIES











COLUMN VENT TUBE KIT

This kit is used to vent the air at the top of the Column back to the equipment's headspace, which creates a closed loop and takes advantage of any desiccant breather being used.

Included: Zinc plated and Stainless steel barbed fittings at each end, with 1" NPT female and 1/8" NPT male threads, and 6' length of 1/4" ID LLDPE tubing
VENT.COLUMN

COLUMN BYPASS TUBING KIT

This kit is used when the Column is installed on a Luneta Hub with a filter cart attached. The Bypass Kit will prevent the filter cart from drawing oil out of the Column. *Included:* Zinc-plated and Stainless steel fitting, 1" NPT male threads, and a 6' length of 1/4" high temperature nylon tubing BYPASS.COLUMN

COLUMN BREATHER

The 3-micron breather protects against airborne contaminants. It easily screws to the top of the Column, allowing air into the reservoir as needed.

Specs: Stainless steel sintered filter media, 3-micron BREATHER.COLUMN

LEVEL RINGS

Two tamper-proof level rings mark the idle and running oil level. Each ring is made of durable nylon and secured in place with a socket cap stainless steel screw.

Included: Red and green nylon rings (1 each), stainless steel screws, includes hex key

LEVEL.RINGS

SILICONE COLUMN BREATHER COVER

If your Column Breather is exposed to the elements, is in a high-dust environment or is in proximity to other extreme conditions, then you might want to purchase the Silicone Column Cover!

Specs: Red, chemical and impact resistant silicone rubber; operating temperature -55°C to +300°C COVER.COLUMN

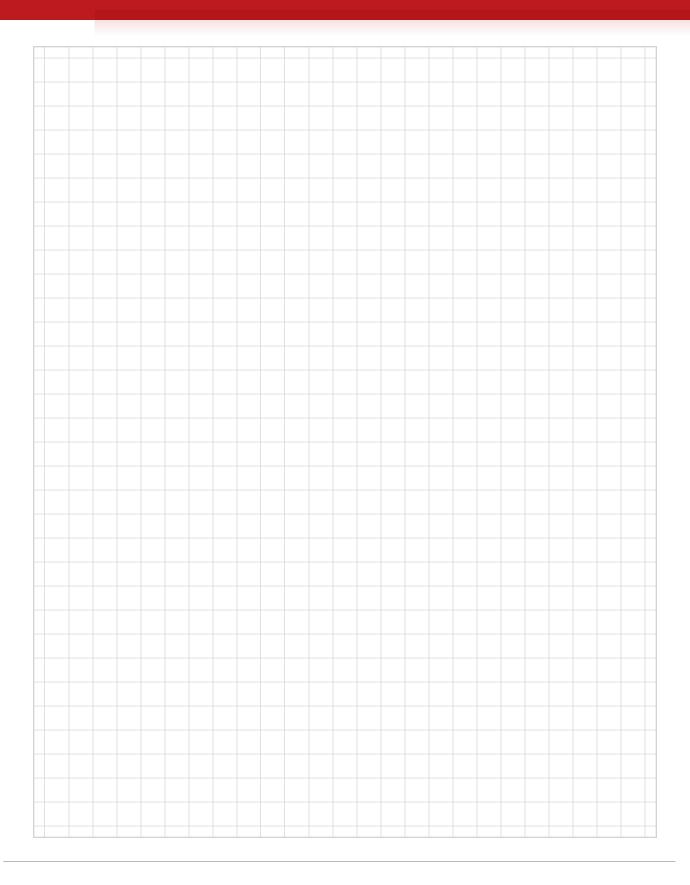
Fill Port Splitter

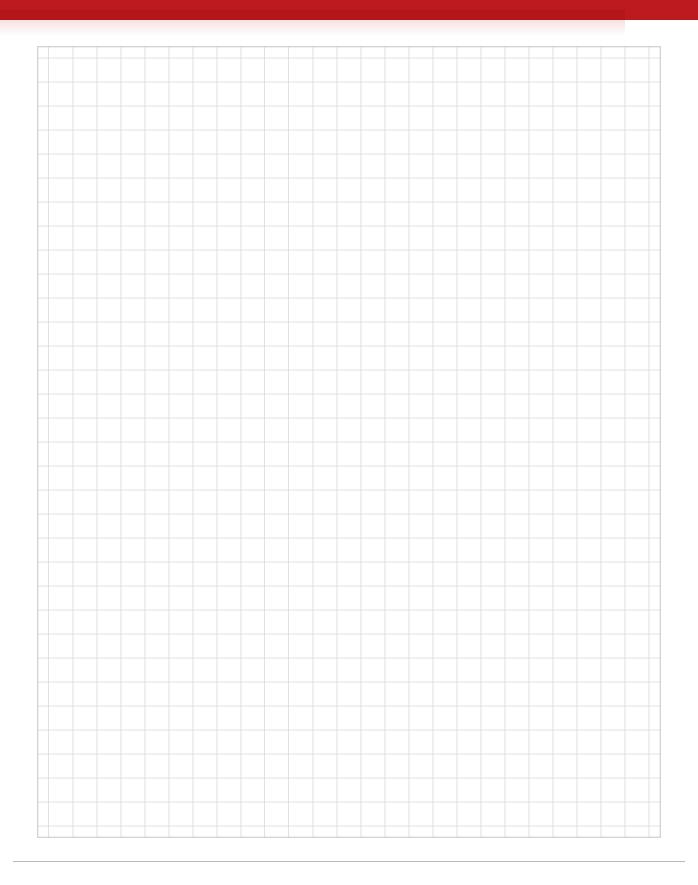
Splits 1/2" NPT fill port into two independent ports for filling and breathing. Fill and breathe from the same port without contamination. For filling, a 1/2" NPT female fill port is provided. For breathing, a 1/2" and a 1/8" NPT female port are provided, both of which are independent from the filling port to prevent contamination. The 1/8" port can be used to attach the Vent Tube Kit from the Column.

FILL PORT SPLITTER



NOTES









FIND YOUR SOLUTION

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