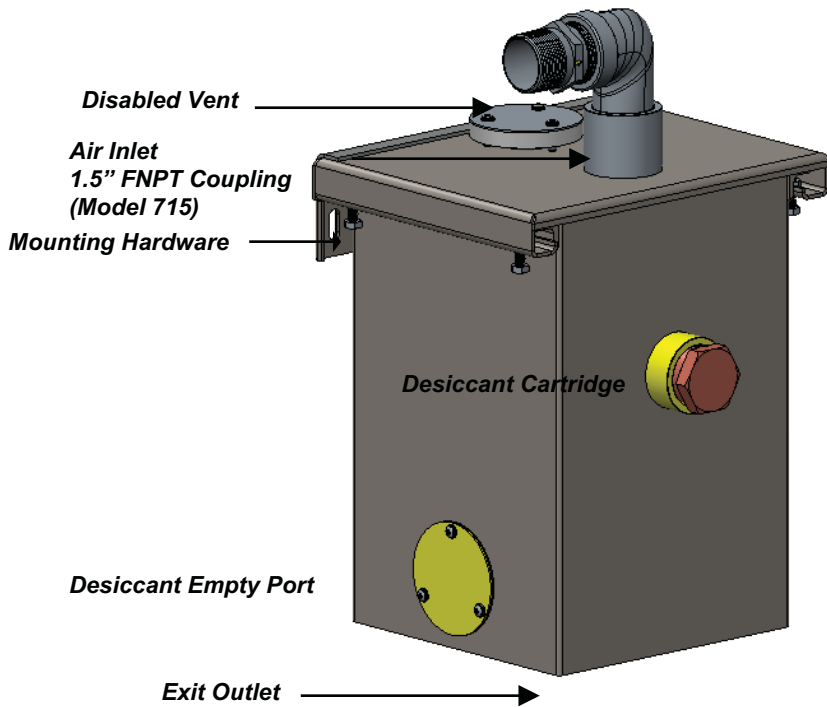


BREATHERS & DRYERS: CARBON CANISTER

Carbon Canister - Odor Scrubber



Common Tank Contents

- Sulfuric Acid
- Biodiesel
- Acetic Acid
- Transformer Oils
- Lube Oils
- Glycerol
- Polyalcohols
- Polyethers

Advantages

- Eliminate odors
- Protect against hydrocarbons and other caustic gases
- Protect against fluid contamination, dilution, and sedimentation
- Maintain ISO cleanliness codes
- Extend life of hydraulic, lubrication, and process fluids
- Extend MTBF and reduce O&M costs

Features & Performance

1. Activated Carbon adsorbent

- Activated carbon is used in various pore sizes to provide maximum odor protection and filtration of harmful hydrocarbons and other by products.

2. Valved Controlled Airflow

- All tank vent dryers use a series of flapper valves to control the inflow and outflow of air. This maximizes the desiccant performance and prevents desiccant contamination during exhale from tanks or reservoirs.

3. Robust Stainless Steel Construction

- All Tank Vent Dryers are made of 316 stainless steel to withstand the elements and environment for decades. Viton O-Rings are also used for very harsh applications.

4. Easy to install & use

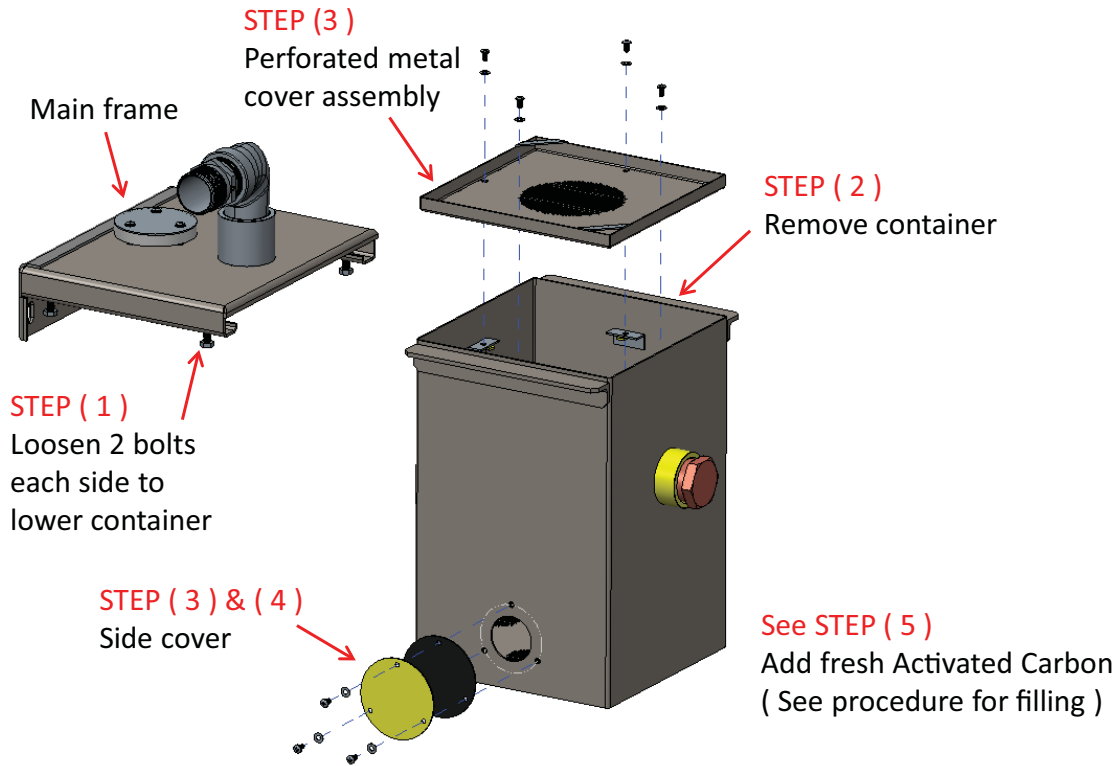
- Carbon canister odor scrubbers are easy to install and can either be wall or floor mounted. Floor mounted models feature a desiccant tray or lever which allows for easy desiccant replacements in the field

Technical Info:

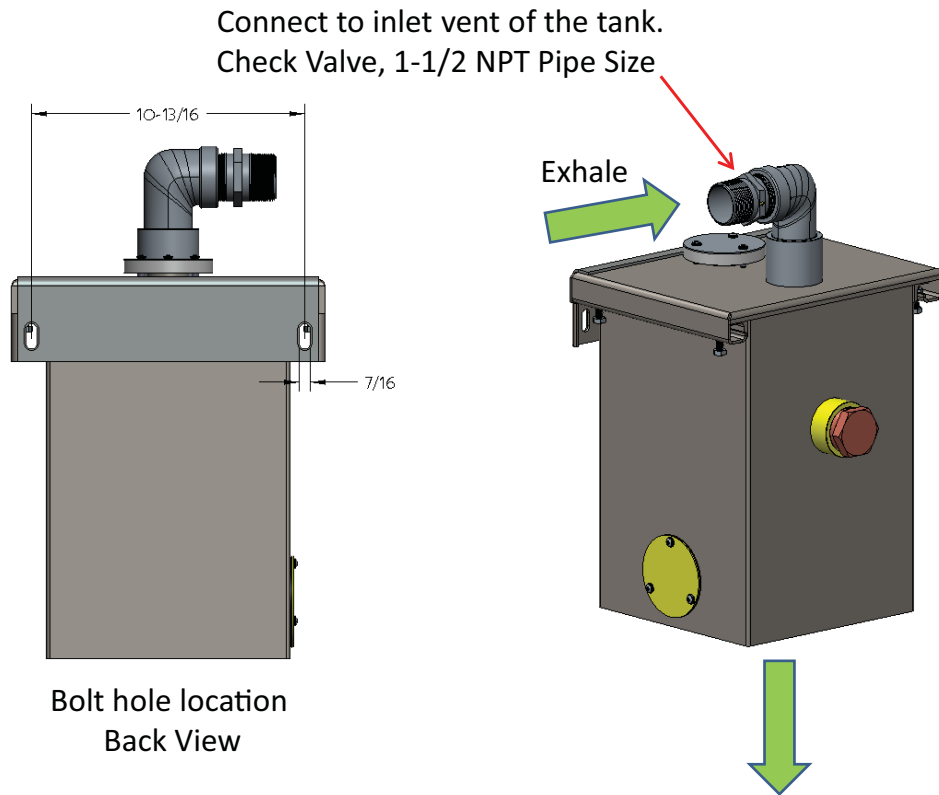
Model		710	715	730
Maximum filling or emptying rate	m ³ /hr	28.9	62.9	250
	liter/min	480	1048	4163
	c.f.m.	17	37	147
	galls/min	206	230	916
Maximum fluid capacity related to desiccant content	m ³	55	125	500
	liters	55000	125000	500000
	ft ³	1975	4431	17658
	gallons	12297	27593	109972
Replacement desiccant data	wt. of charge	10.75 kg	20 kg	67 kg
	wt. of desiccant	5.6 kg	12.5 kg	50 kg

BREATHERS & DRYERS: CARBON CANISTER

Maintenance Procedure

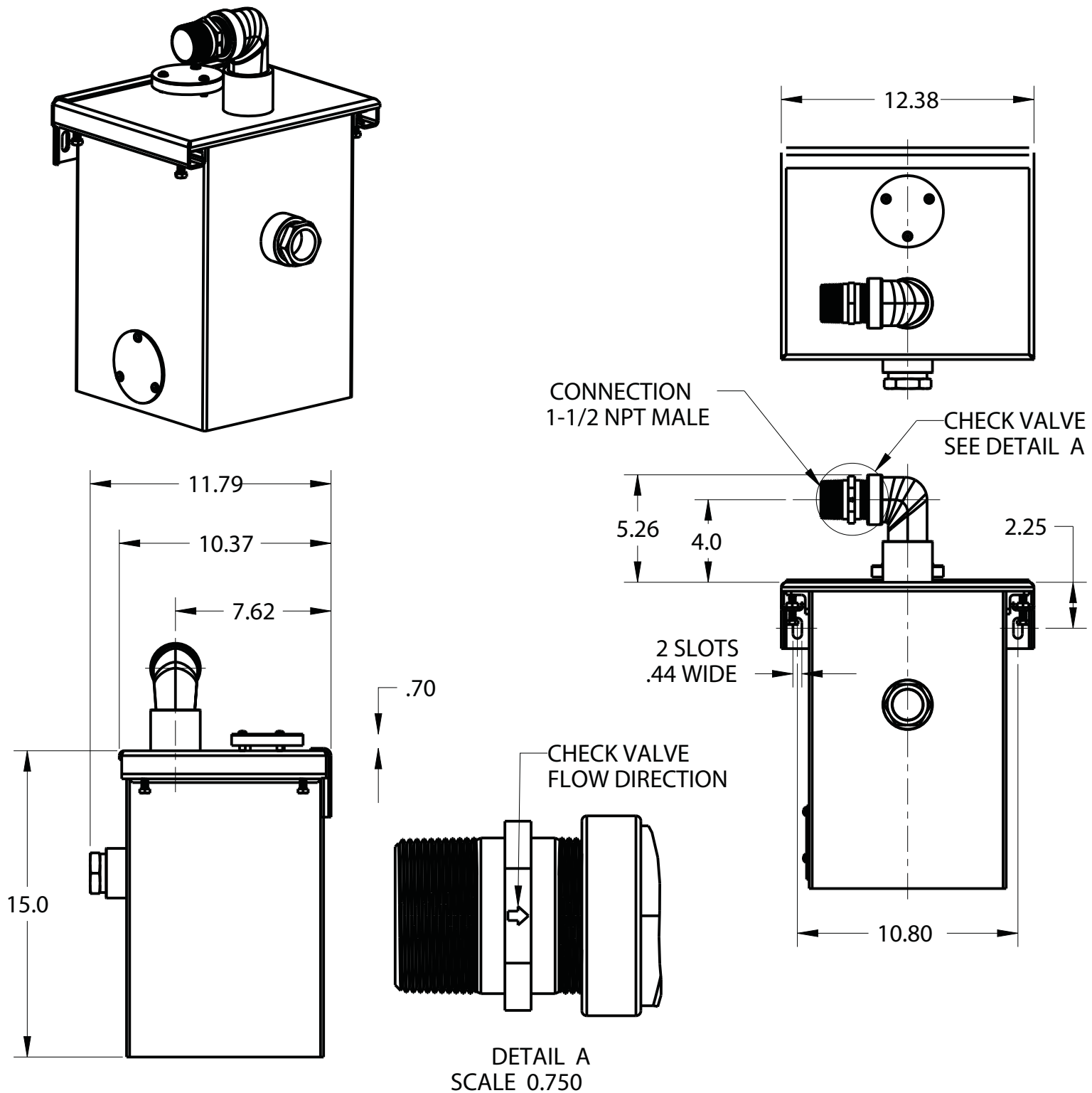


Installation Procedure



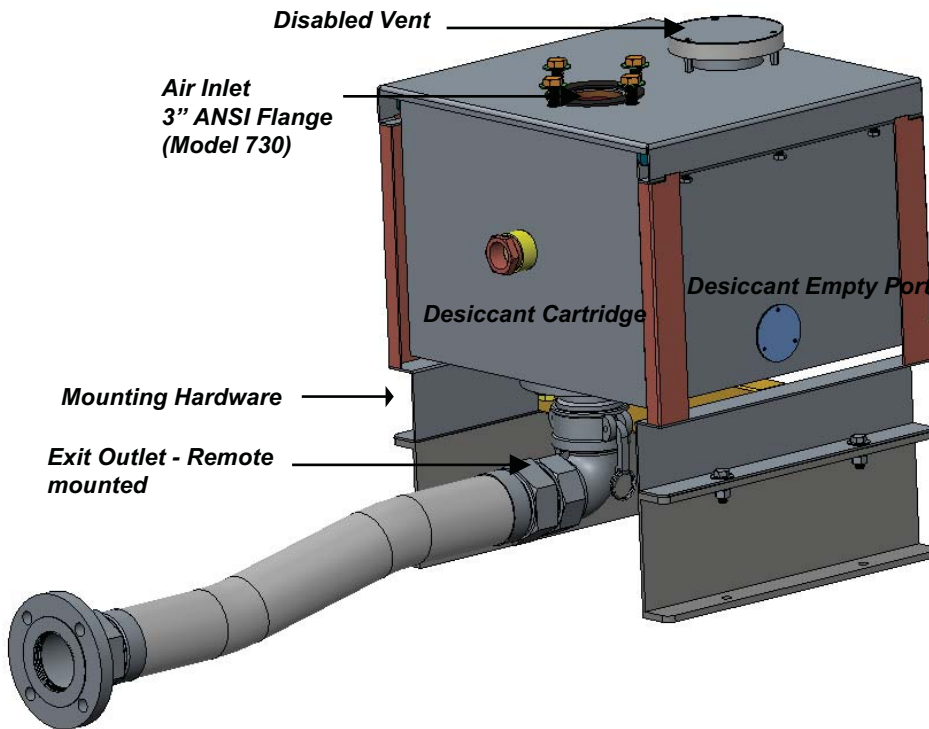
BREATHERS & DRYERS: CARBON CANISTER

Dimensional Info - Model 715 w/ Check Valve



BREATHERS & DRYERS: CARBON CANISTER

Carbon Canister - Odor Scrubber



Common Tank Contents

- Sulfuric Acid
- Acetic Acid
- Lube Oils
- Polyalcohols
- Biodiesel
- Transformer Oils
- Glycerol
- Polyethers

Advantages

- Eliminate odors
- Protect against hydrocarbons and other caustic gases
- Protect against fluid contamination, dilution, and sedimentation
- Maintain ISO cleanliness codes
- Extend life of hydraulic, lubrication, and process fluids
- Extend MTBF and reduce O&M costs

Features & Performance

1. Activated Carbon adsorbent

- Activated carbon is used in various pore sizes to provide maximum odor protection and filtration of harmful hydrocarbons and other by products.

2. Valved Controlled Airflow

- All tank vent dryers use a series of flapper valves to control the inflow and outflow of air. This maximizes the desiccant performance and prevents desiccant contamination during exhale from tanks or reservoirs.

3. Robust Stainless Steel Construction

- All Tank Vent Dryers are made of 316 stainless steel to withstand the elements and environment for decades. Viton O-Rings are also used for very harsh applications.

4. Easy to install & use

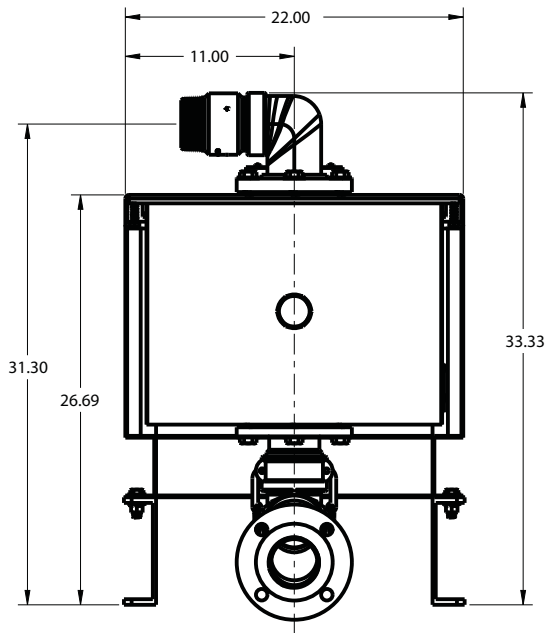
- Carbon canister odor scrubbers are easy to install and can either be wall or floor mounted. Floor mounted models feature a desiccant tray or lever which allows for easy desiccant replacements in the field

Technical Info:

Model		710	715	730
Maximum filling or emptying rate	m ³ /hr	28.9	62.9	250
	liter/min	480	1048	4163
	c.f.m.	17	37	147
	galls/min	206	230	916
Maximum fluid capacity related to desiccant content	m ³	55	125	500
	liters	55000	125000	500000
	ft ³	1975	4431	17658
	gallons	12297	27593	109972
Replacement desiccant data	wt. of charge	10.75 kg	20 kg	67 kg
	wt. of desiccant	5.6 kg	12.5 kg	50 kg

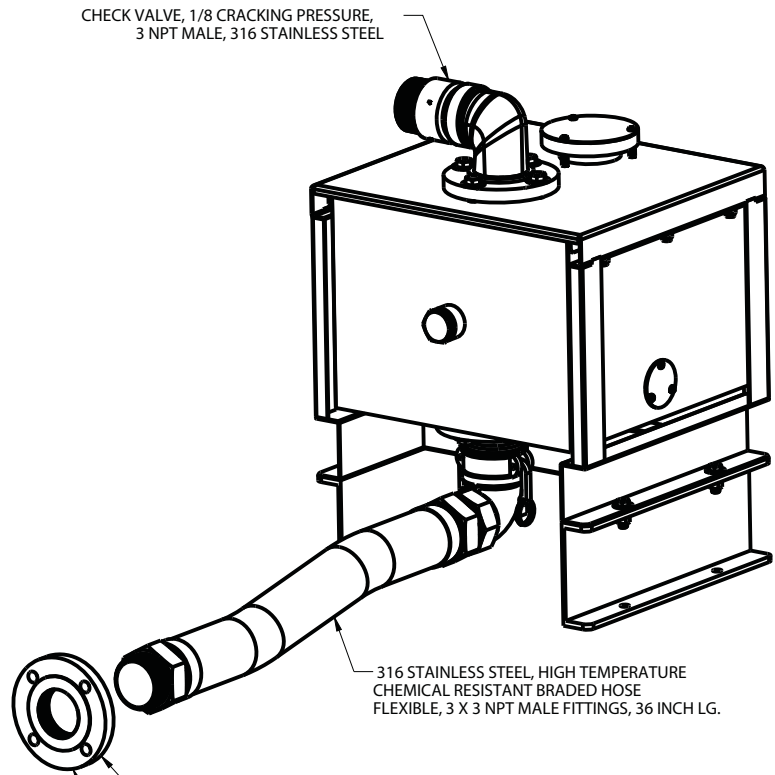
BREATHERS & DRYERS: CARBON CANISTER

Dimensional Info - Model 730 w/ remote plumbing & CV



FRONT VIEW

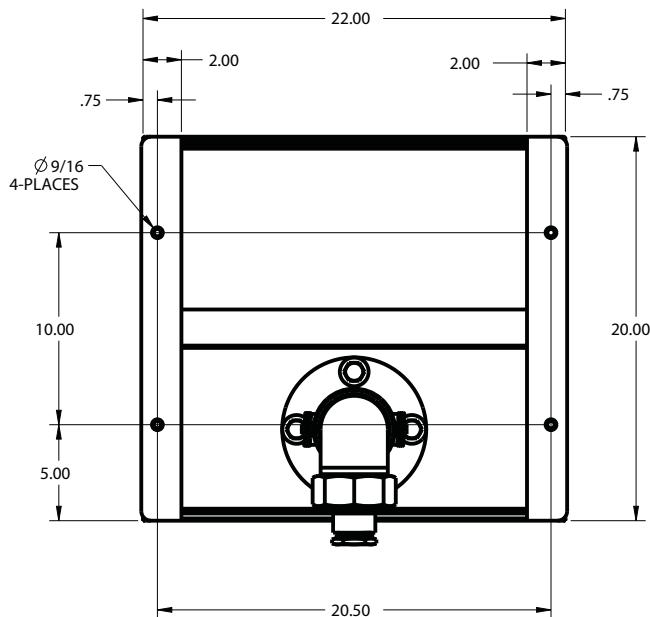
CHECK VALVE, 1/8 CRACKING PRESSURE,
3 NPT MALE, 316 STAINLESS STEEL



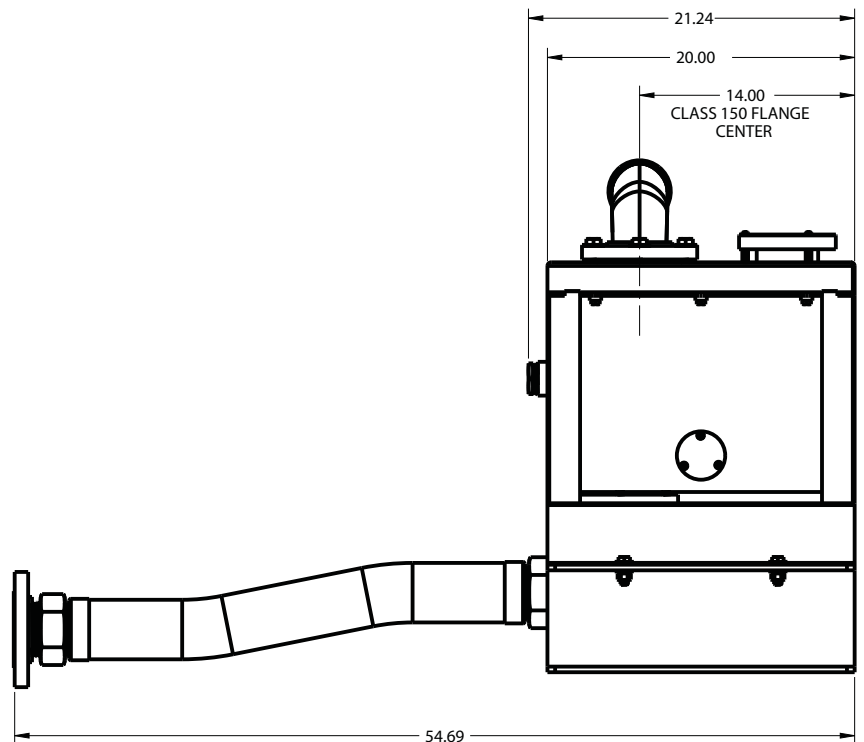
316 STAINLESS STEEL, HIGH TEMPERATURE
CHEMICAL RESISTANT BRAIDED HOSE
FLEXIBLE, 3 X 3 NPT MALE FITTINGS, 36 INCH LG.

CLASS 150 FLANGE LOW-PRESSURE
3 PIPE SIZE, 7-1/2" OD
316/316L STAINLESS STEEL

CUSTOMER TO ASSEMBLE AT INSTALLATION



BOTTOM VIEW
MOUNTING HOLE LOCATION
HOSE REMOVED FOR CLARITY

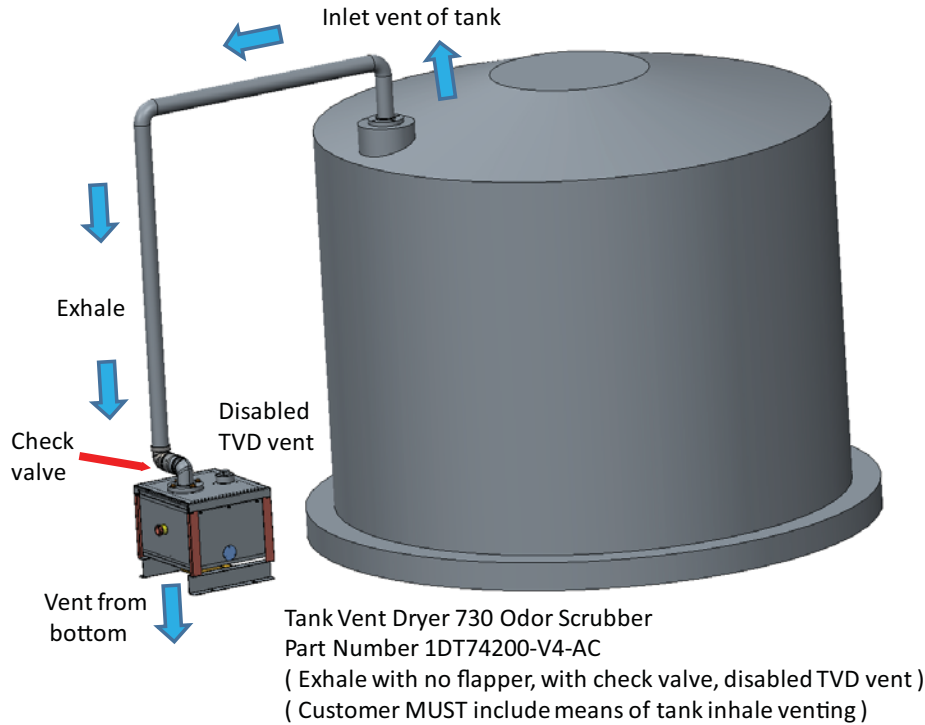


SIDE VIEW

BREATHERS & DRYERS: CARBON CANISTER

How do they work?

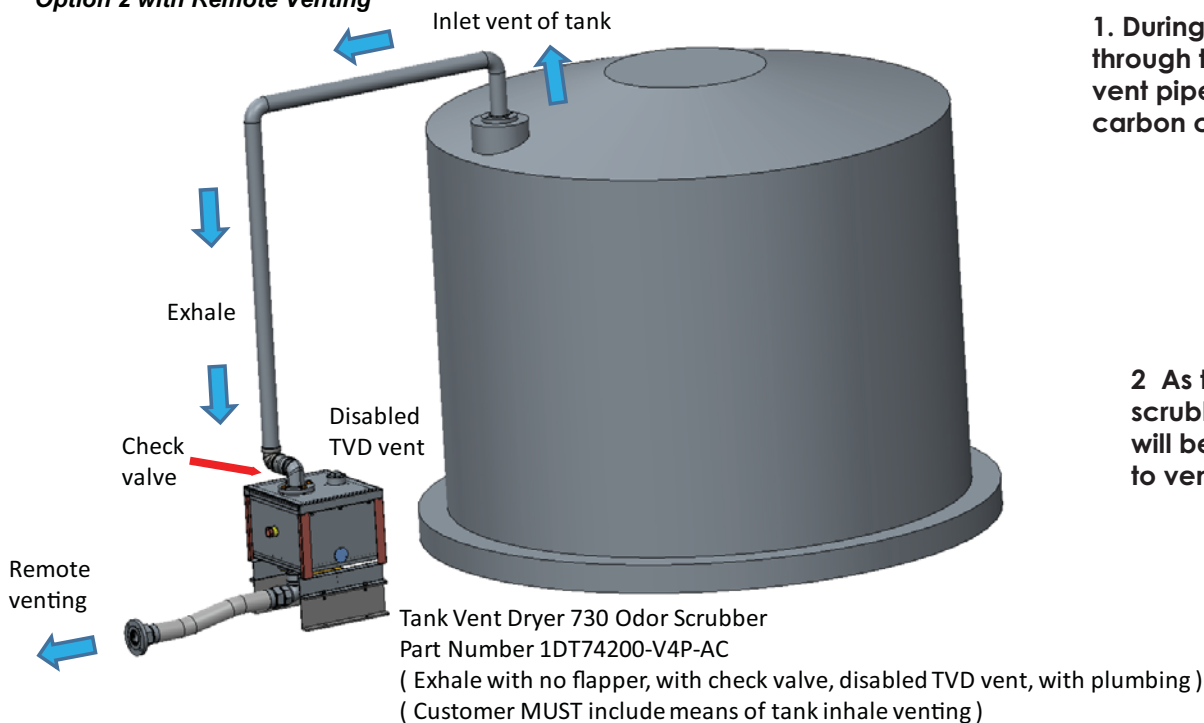
Option 1 - Vent to atmosphere



1. During tank filling, air will exit through the top of the tank's vent pipe and down into the carbon canister odor scrubber

2. As the air passes through the scrubber, odors and hydrocarbons will be filtered leaving clean air to vent to atmosphere

Option 2 with Remote Venting



1. During tank filling, air will exit through the top of the tank's vent pipe and down into the carbon canister odor scrubber

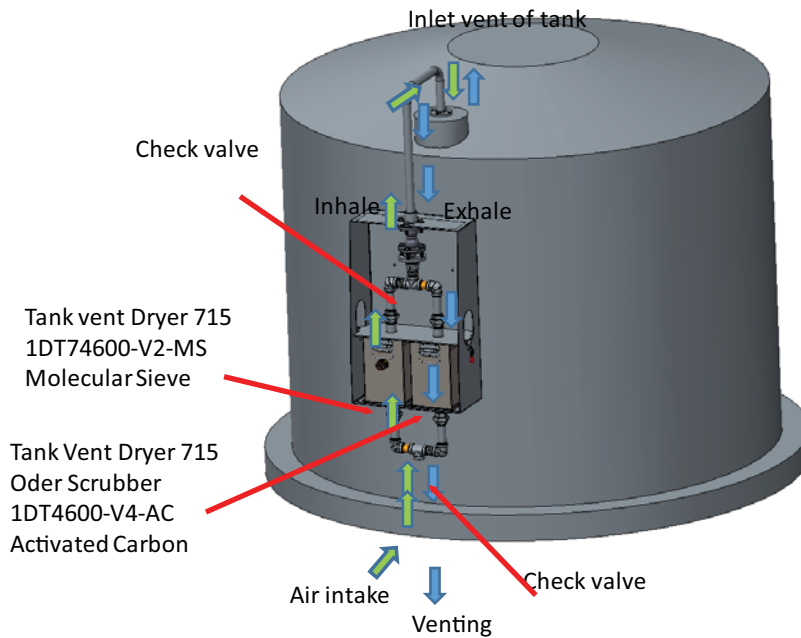
2. As the air passes through the scrubber, odors and hydrocarbons will be filtered leaving clean air to vent to a remote location.

BREATHERS & DRYERS: CARBON CANISTER

Dual System - Vent Dryer & Odor Scrubber

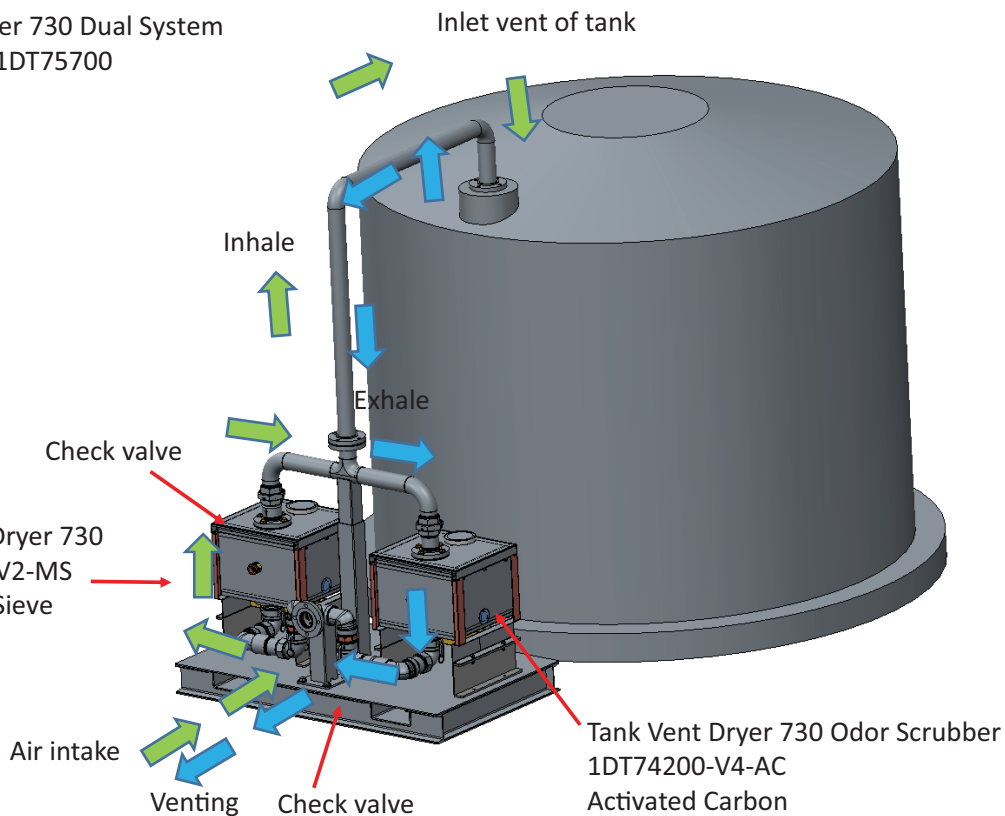
Model 715 Parallel System - Vent Dryer & Odor Scrubber - PN: 1DT75500

Tank Vent Dryer 715 Dual System
Part Number 1DT75500



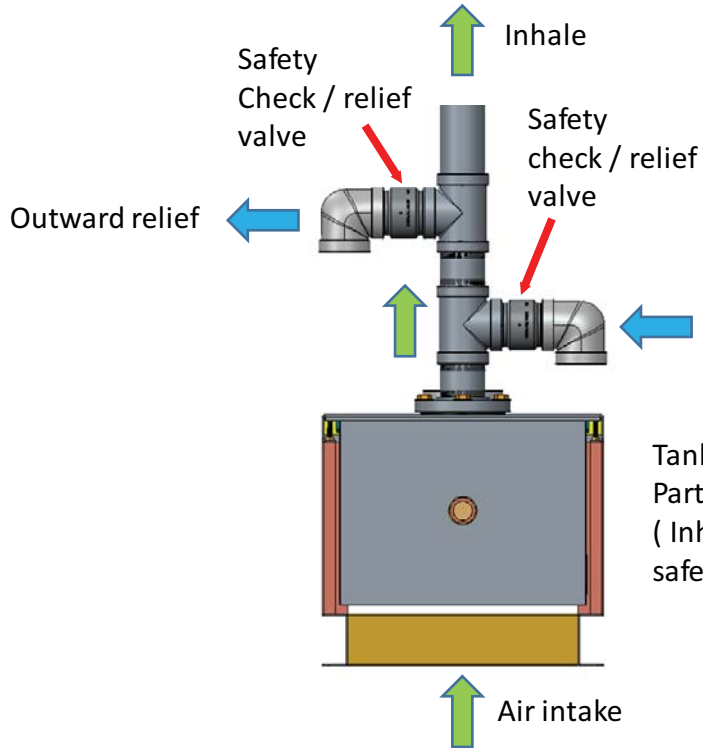
Model 730 Parallel System - Vent Dryer & Odor Scrubber - PN: 1DT75700

Tank Vent Dryer 730 Dual System
Part Number 1DT75700



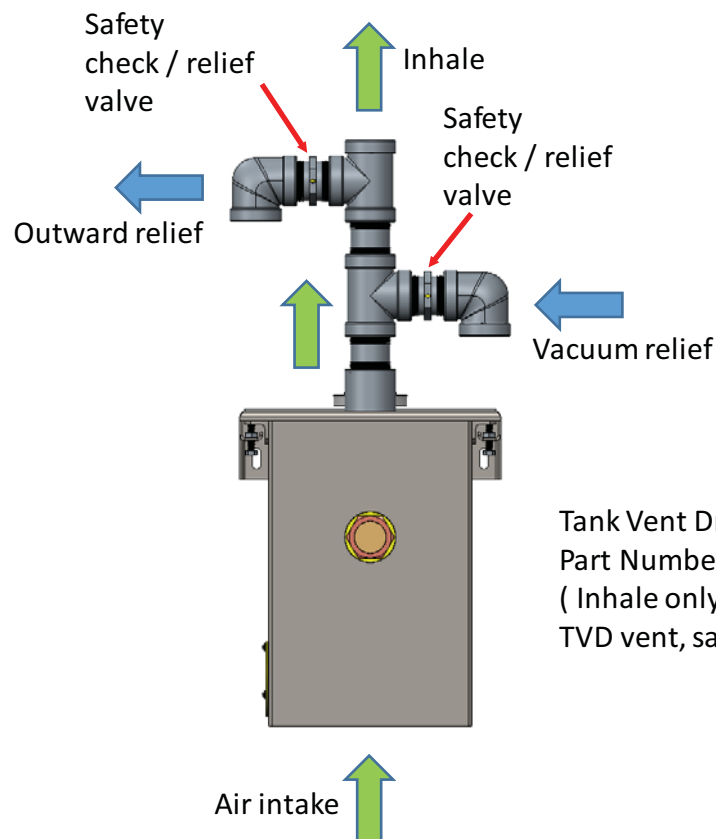
BREATHERS & DRYERS: TANK VENT DRYERS

Optional safety & check valves



WARNING - Safety check/relief valves MUST be installed in flow orientation shown

Tank Vent Dryer 730
Part Number 1DT74200-V2-MS-CV2
(Inhale only with flapper, disabled TVD vent, safety check / relief valves).

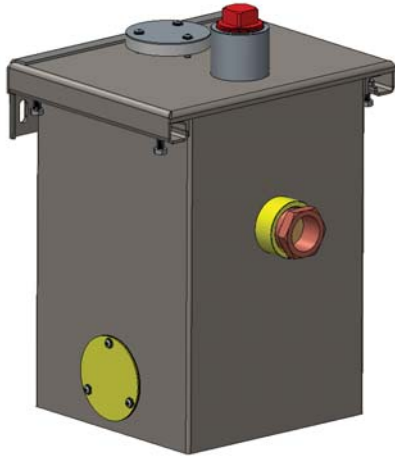


Tank Vent Dryer 715
Part Number 1DT74600-V2-MS-CV1
(Inhale only with flapper, disabled TVD vent, safety check / relief valves)

BREATHERS & DRYERS: TANK VENT DRYERS

Tank Vent Dryer Ordering - Part Number Selector

Tank Vent Dryer - Model 715



Example Part Number: 1DT74200-V1-MS-CV

Part Number	Version	Media Selection	Check Valve
1DT74200	-V1	-MS	-CV

Choose part number

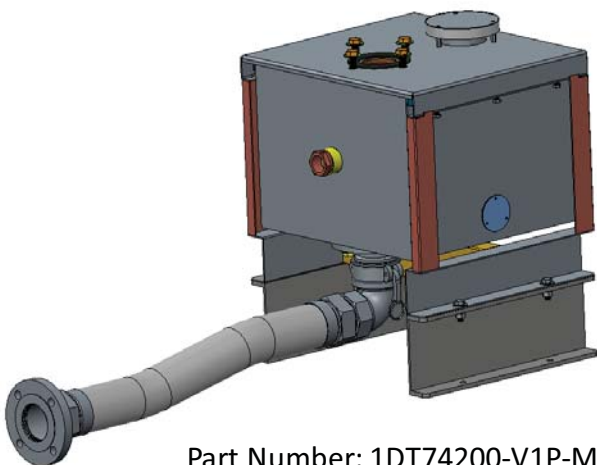
Part Number	Product Description
1DT74200	Model 730 Tank Vent Dryer, Floor Mounted, Refillable
1DT74600	Model 715 Tank Vent Dryer, Wall Mounted, Refillable

Choose version number

Version	Description
-V1	Inhale only w/ flapper, TVD vent cap open
-V1P	Inhale only w/ flapper, TVD vent cap open, w/ plumbing
-V2	Inhale only w/ flapper, disabled TVD vent
-V2P	Inhale only w/ flapper, disabled TVD vent, w/ plumbing
-V3	Inhale & exhale only w/o flapper, disabled TVD vent, w/ plumbing
-V4	Exhale w/o flapper, w/ check valve, disabled TVD vent
-V4P	Exhale w/o flapper, w/ check valve, disabled TVD vent, w/ plumbing

-V2 only to be used in parallel system 1DT75500. In order to prevent catastrophic back pressure, system design MUST include safety check / relief valves.

Tank Vent Dryer - Model 730



Part Number: 1DT74200-V1P-MS

WARNING

-V2 and -V2P only to be used in parallel system 1DT75700 in order to prevent catastrophic back pressure, system design MUST include safety check/relief valves

Choose media selection

Media Selection	
-MS	Molecular Sieve
-AC	Activated Carbon

Choose valve selection

Valve Selection	
-CV1	Check Valve
-CV2	Safety Check/Relief Valve (2 Required)

