

Comfort Systems USA (Arkansas), Inc.
P.O. Box 16620
Little Rock, AR 72231
Phone 501-834-3320
Fax 501-834-5416

Date: 07/29/2026
Return Request: 08/19/2026
Project: Highlands Building at Pinnacle Hills
Supplier: Comfort Systems USA
Manufacturer: Spirotherm
Submittal: Air/Dirt Separator
Submittal Number: 23 21 14-01
Drawing # and Installation: Mechanical

ARCHITECT

Crafton Tull
Fayetteville, Ar

ENGINEER

IMEG

GENERAL CONTRACTOR

Clark Contractors
Rogers, Ar

MECHANICAL SUBCONTRACTOR

Comfort Systems USA (Arkansas), Inc.
116 Commercial Ave.
Lowell, AR 72745
(479) 770.8992

NOTES:

--

CSUSA PROJECT NO.
26-5034

jzuber@comfortar.com



Submittal Section

PROJECT: Highlands Oncology Group

SECTION: Air/ Dirt Separator

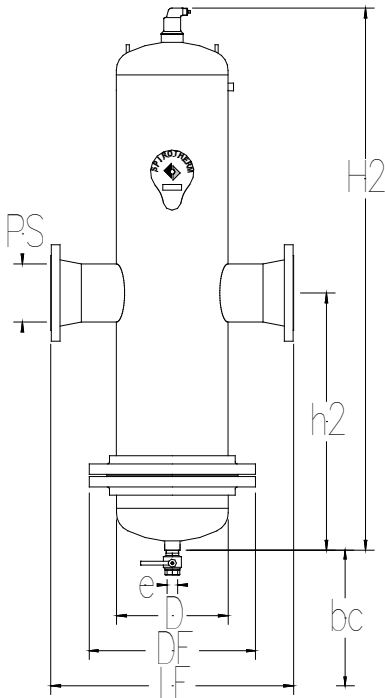
SPECIFICATION: 23 21 14

PREPARED BY: Will Cunningham	
DATE: 7/30/2026	

Spirovent® Drain High Velocity Air Eliminator and Dirt Separator

Job Name:
Engineer:
Contractor:
Representative:

Tag	Model	Flow	Size	Location

	Specifications: <table> <tr> <td>Shell</td><td>Steel</td></tr> <tr> <td>Vent Head</td><td>Brass</td></tr> <tr> <td>Float</td><td>Non-Ferrous</td></tr> <tr> <td>Seal</td><td>Viton</td></tr> <tr> <td>O Ring</td><td>Viton</td></tr> <tr> <td>Skim Valve</td><td>Brass</td></tr> <tr> <td>Coalescing Medium</td><td>Copper</td></tr> <tr> <td>Ball Valve</td><td>Brass</td></tr> <tr> <td>Max. Working Pressure</td><td>150 psig</td></tr> <tr> <td>Max. Operating Temperature</td><td>270°F</td></tr> </table> Notes: Removable lower portion to facilitate cleaning if required. (bc: Minimum bundle removal clearance)	Shell	Steel	Vent Head	Brass	Float	Non-Ferrous	Seal	Viton	O Ring	Viton	Skim Valve	Brass	Coalescing Medium	Copper	Ball Valve	Brass	Max. Working Pressure	150 psig	Max. Operating Temperature	270°F
Shell	Steel																				
Vent Head	Brass																				
Float	Non-Ferrous																				
Seal	Viton																				
O Ring	Viton																				
Skim Valve	Brass																				
Coalescing Medium	Copper																				
Ball Valve	Brass																				
Max. Working Pressure	150 psig																				
Max. Operating Temperature	270°F																				

PS - Pipe Size	2"	2 ½"	3"	4"	5"	6"	8"	10"	12"
D (inches)	6.3	6.3	8.6	8.6	12.8	12.8	16.0	20.0	24.0
H2 (inches)	35.8	35.8	45.1	45.1	61.8	61.8	78.5	95.0	113.0
h2 (inches)	15.9	15.9	20.7	20.7	29.3	29.3	37.6	47.0	55.0
LF (inches)	15.2	15.7	20.2	20.6	27.7	27.7	33.6	37.5	42.5
DF (inches)	11	11	14	14	19	19	24	28	32
e (inches)	1	1	1	1	1	1	1	1	1
bc (inches)	22	22	30	30	43	43	55	68	80
Dry Weight (lbs)	120	150	195	262	479	505	820	1,269	2,025
Volume (gallons)	3.5	3.5	8.8	8.8	29	29	59	117	198
Max Flow (gpm)	100	150	230	400	620	900	1,550	2,450	3,500
Model									
VHN---FA	200	250	300	400	500	600	800	1000	1200

(Dimensions for reference only)

Flanged ASME Section VIII, Division 1 Stamped and Registered



Submittal Section

PROJECT: Highlands Oncology Group

SECTION: Expansion Tank

SPECIFICATION: 23 21 14

PREPARED BY: Will Cunningham	
DATE: 7/30/2026	



HTS - HTL Series HYDRONIC EXPANSION TANKS

Designed and constructed per ASME Code Section VIII

SUBMITTAL DATA SHEET

MODEL NUMBER	Capacity		B		A		NPT SYSTEM CONNECTION	APPR. WEIGHT	
	Gals	Liters	ins.	mm.	ins.	mm.		lbs.	Kg.
HTS-8*	2.0	8	10.6	270	10.2	259	1"	21	9.5
HTS-19*	5.0	19	10.6	270	19.3	490	1"	32	14.5
HTS-30*	8.0	30	15.8	400	15.3	389	1"	41	18.6
HTS-45	12.0	45	15.8	400	22.4	569	1"	52	23.6
HTS-80	21.0	80	15.8	400	34.9	886	1"	78	35.4
HTS-100	26.5	100	19.7	500	37.3	947	1"	83	37.6
HTS-140	37.0	140	19.7	500	43.3	1100	1 1/4"	114	51.7
HTL-170	44.0	170	19.7	500	48.7	1,237	1 1/4"	160	72.6
HTL-200	57.0	200	21.7	550	47.2	1,199	1 1/4"	170	77.1
HTL-300	80.0	300	25.6	650	49.0	1,245	1 1/4"	215	97.5
HTL-400	105.0	400	25.6	650	59.0	1,471	1 1/4"	248	112.5
HTL-450	120.0	450	25.6	750	69.1	1,417	1 1/4"	283	128.4
HTL-500	132.0	500	25.6	750	75.0	1,527	1 1/4"	341	154.7
HTL-600	160.0	600	29.5	750	85.0	2,256	2"	391	177.4
HTL-800	210.0	800	29.5	750	90.6	2,324	2"	531	240.9
HTL-1000	265.0	1,000	31.5	800	94.1	2,426	2"	561	254.5
HTL-1200	320.0	1,200	35.5	900	100.6	2,555	2"	960	435.4
HTL-1400	370.0	1,400	37.5	950	102.4	2,601	2"	1,040	471.7
HTL-1600	420.0	1,600	41.5	1,050	99.2	2,520	2"	1,183	536.6
HTL-2000	530.0	2,000	43.5	1,105	113.5	2,883	3"	1,318	597.8
HTL-3000	790.0	3,000	51.2	1,300	118.2	3,002	3"	1,865	845.9
HTL-4000	1,060.0	4,000	61.0	1,550	123.0	3,124	3"	2,616	1,186.6
HTL-5000	1,320.0	5,000	63.0	1,600	132.0	3,353	3"	2,892	1,311.8

SPECIFICATIONS
Maximum working pressure 150 PSI (10.5 kg/cm ²)
Maximum operating temp. 240°F (115°C)

Tanks are built in accordance with
ASME Section VIII, Division I.

Seamless one piece butyl bladder
for longer life.

Acceptance volume is 90% of
stated tank capacity.

Epoxy gray finish exterior.

Factory precharge 12 psig (.84 kgf/cm ²)
NON-POTABLE USE System connection: Threaded FNPT All Units Are Bottom Connections LARGER CONNECTION AVAILABLE+

+ PLEASE CONTACT FACTORY

**PRESSURE GAUGE ON 21
GALLON & LARGER UNITS**

* IN-LINE MODELS DO NOT HAVE BASE SUPPORTS

ALL UNITS ARE SUITABLE FOR HORIZONTAL INSTALLATIONS

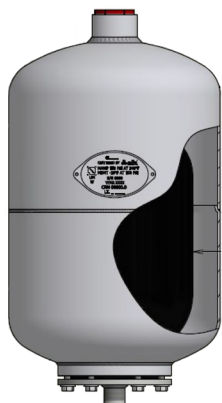
FUSED SIGHT INDICATOR INSTALLED ON 21 GALLON & LARGER TANKS

Job Name	
Location	
Engineer	
Contractor	Contractor P.O. Number

Sales representative	
Model number ordered	Qty:
System operating temperature	Min. max.
Date submitted	

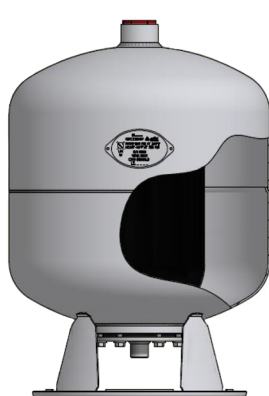
Dimensional data and weights are
approximate **Rev. 52025**

DIAMETER - B



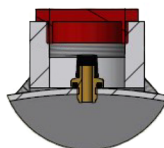
IN-LINE NO BASE

DIAMETER - B

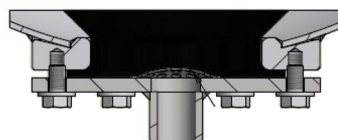


BASE SUPPORT

CAP



AIR CHARGING VALVE



NPT SYSTEM CONNECTION

8-45 LITER CAPACITY

DIAMETER - B

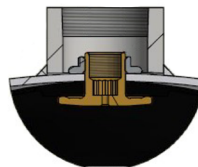


SKIRT SUPPORT

DIAMETER - B



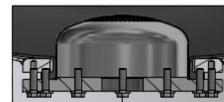
BLADDER SUPPORT
BULKHEAD ASSEMBLY



TANK TOP SIDE

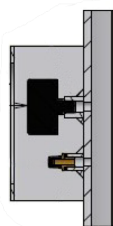


BOTTOM COVER PLATE
FEMALE NPT SYSTEM CONNECTION



PRESSURE GAUGE

AIR CHARGING VALVE



21-2000 LITER CAPACITY

DIAMETER - B

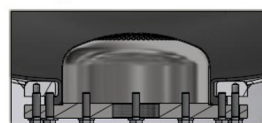
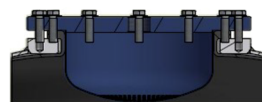


SKIRT SUPPORT

DIAMETER - B



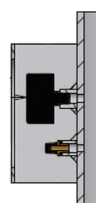
TOP DOME COVER PLATE



BOTTOM DOME COVER PLATE
FEMALE SYSTEM CONNECTION

PRESSURE GAUGE

AIR CHARGING VALVE



3000-5000 LITER CAPACITY



Submittal Section

PROJECT: Highlands Oncology Group

SECTION: Glycol Feeder

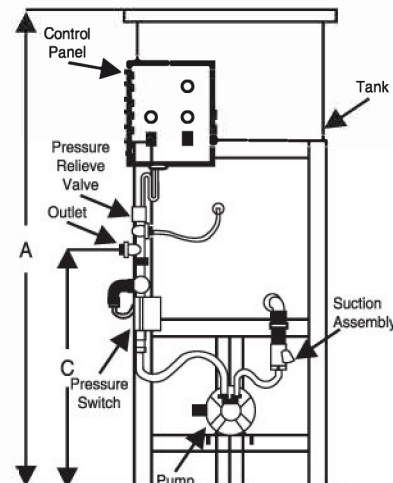
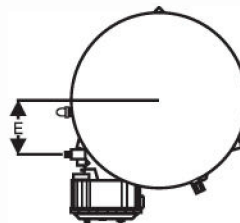
SPECIFICATION: 23 21 14

PREPARED BY: Will Cunningham	
DATE: 7/30/2026	

Simplex SGL Series Glycol Pump System

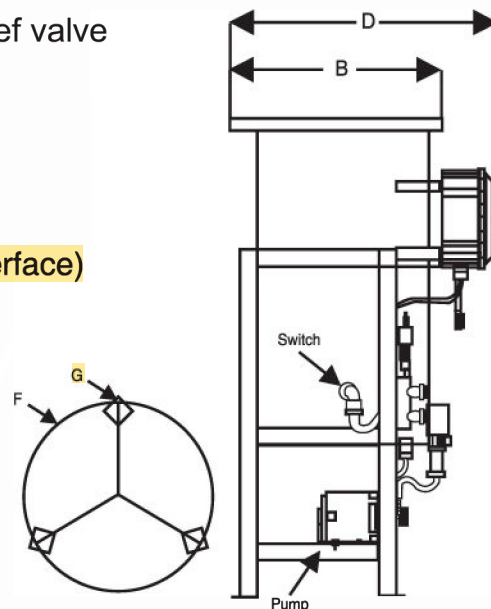
Features:

- Polyethylene tank, includes cover
- Carbon steel tank stand, coated with enamel paint
- 1/4 HP Split-phase Pump Motor, single phase, 115 VAC, 5 amp
- 1/4 HP Pump, brass rotary vane type, optional 1/2 HP Pump available
- Thermal protected motor, 1,725 RPM, Insulation Class 8
- Control Panel, 115 VAC, in-line fuse
- Led indicator lights
- Side entry low level switch, 12 amp relay
- NPT Pressure Switch standard 1 O psi cut-in, 40 psi cut-out
- Brass pressure relief valve 20-150 PSI
- 100 PSI Max Pressure
- 150° F Max Temperature
- Pressure gauge, strainer, isolation valve, pressure relief valve
- Alarm, 95 decibel, with a silence switch
- PLC interface remote dry contact on low level



Optional Features:

- 1/2 HP Split-phase Pump Motor, 115/60/1
- Float switch, high level, with remote dry contact (PLC interface)
- Stainless Steel cover, hinge, hardware
- Discharge Steel Manifold with high temperature hoses
- Tank Stand Mounted Mixer, fan cooled, totally enclosed, with control switch
- Pump motor, fan cooled, totally enclosed
- Outdoor rated, fan cooled, totally enclosed pump
- Solid cover, bolted to tank
- Expansion tank



All packaging materials, thread protectors, plastic plugs and caps must be removed before installation.

Dimensions are subject to change without notice, please confirm actual dimensions with factory at time of order.

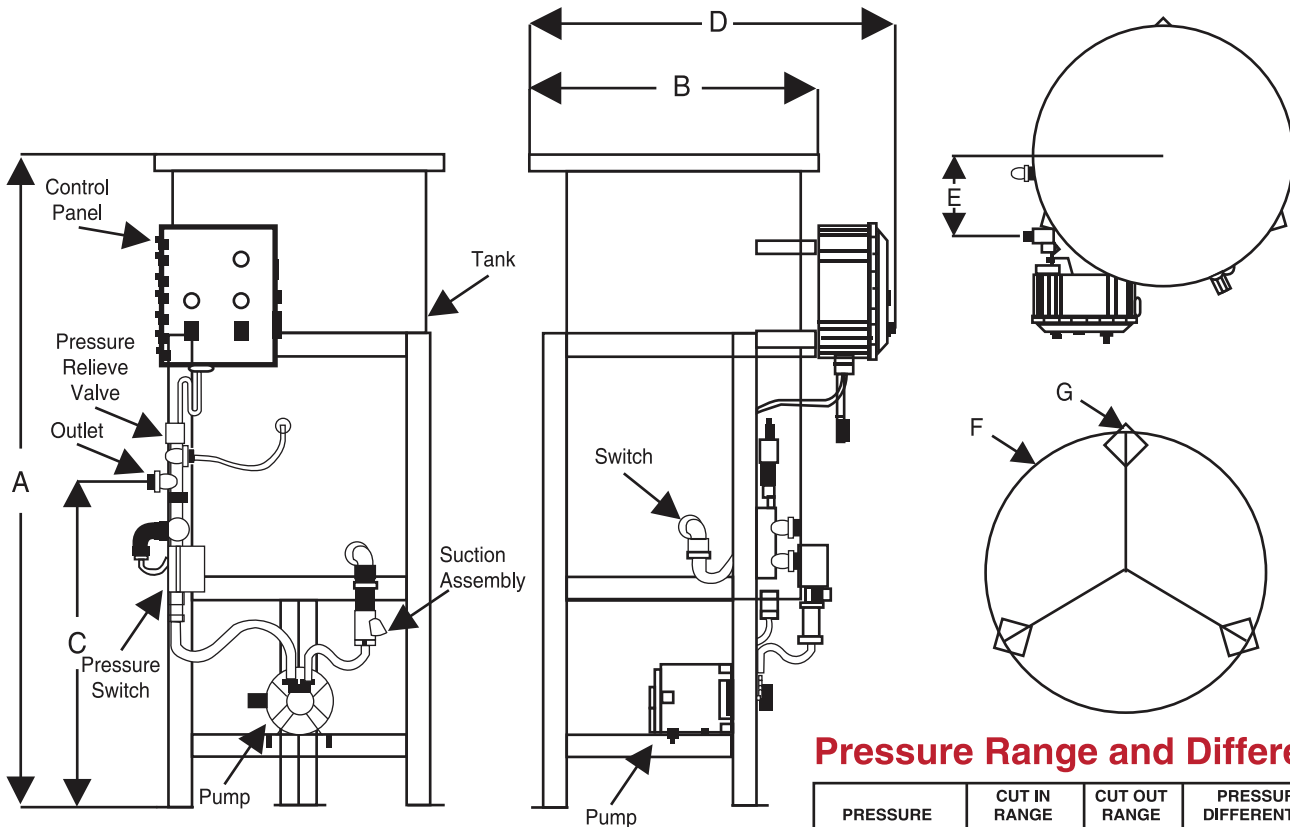
JOB NAME _____
LOCATION _____
CONTRACTOR _____
CONTRACTOR P.O. NO. _____

ITEMS	QUANTITY
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____


AMERICAN WHEATLEY

2701 W Concord St
Broken Arrow, OK 74012
Toll Free: 866-204-5229
Phone: 918-317-0401

www.americanwheatley.com
sales@americanwheatley.com



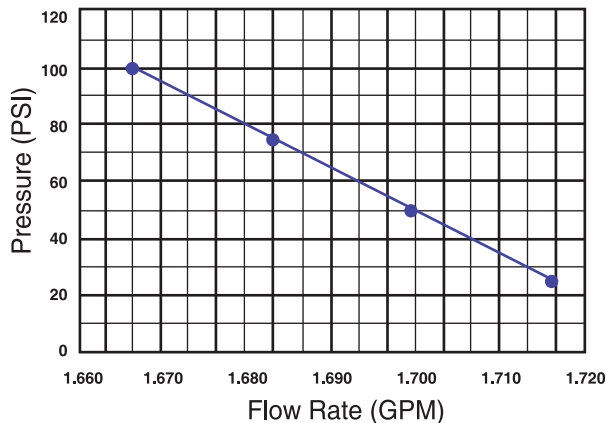
Pressure Range and Differentials

PRESSURE CODE	CUT IN RANGE (PSI)	CUT OUT RANGE (PSI)	PRESSURE DIFFERENTIAL (PSI)
STANDARD	10-45	20-60	10-30
OPTIONAL 1	40-80	65-100	20-40
OPTIONAL 2	3-10	9-30	6-20
DIGITAL	0-149	1-150	1-149

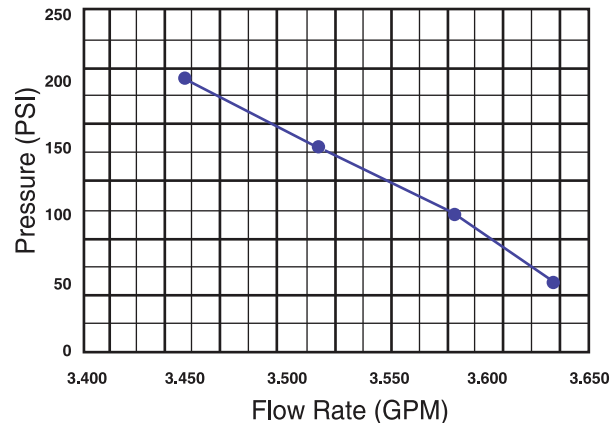
Dimensions

MODEL NO.	GALLONS	HEIGHT A (INCH)	PUMP WIDTH B (INCH)	OVERALL WIDTH C (INCH)	OUTLET TO BASE D (INCH)	OUTLET TO CENTER E (INCH)	DIAMETER F (INCH)	OUTLET G (INCH)	SHIPPING DIMENSIONS	SHIPPING WEIGHT
SGL-15-E-[]-[]	15	42 1/2"	17 3/8"	19 7/8"	25 1/2"	6"	20 1/4"	3/8"	31"X31"X50"	92 LBS
SGL-30-E-[]-[]	30	50 1/4"	20 5/16"	28"	28"	7"	23 5/8"	3/8"	31"X37"X56"	118 LBS
SGL-50-E-[]-[]	50	55 1/2"	24 7/8"	27 7/8"	31"	7 3/4"	27 1/8"	3/8"	31"X37"X62"	132 LBS
SGL-100-E-[]-[]	100	72 1/4"	30 3/8"	27 7/8"	36"	9"	32 1/8"	3/8"	38"X38"X70"	182 LBS

Standard 1/4 HP Pump
Pressure vs Flow



Optional 1/2 HP Pump
Pressure vs Flow



Dimensions are subject to change without notice, Please confirm actual dimensions with factory at time of order.

2701 W. Concord Street
Broken Arrow, OK 74012
Toll Free: 866-204-5229
PH: 918-317-0401
www.americanwheatley.com
e-mail: sales@americanwheatley.com



Submittal Section

PROJECT: Highlands Oncology Group

SECTION: Automatic Air Vent

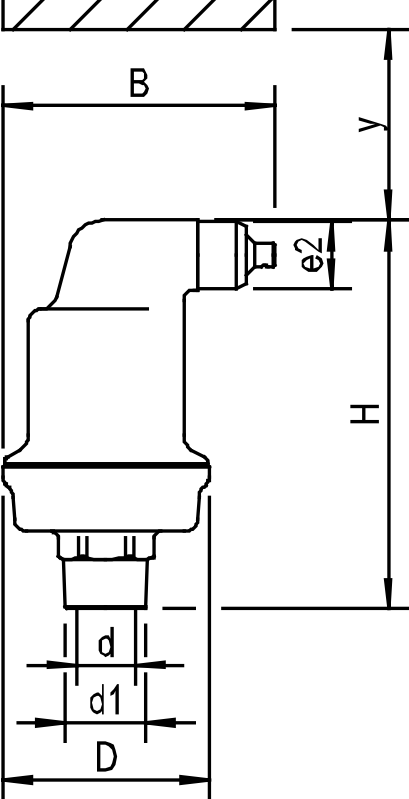
SPECIFICATION: 23 21 14

PREPARED BY: Will Cunningham	
DATE: 7/30/2026	

Spirotop® Air Release Valve

Job Name:
Engineer:
Contractor:
Representative:

Tag	Model	Quantity	Location

	Specifications:													
	<table><tr><td>Body</td><td>Brass</td></tr><tr><td>Vent Head</td><td>Brass</td></tr><tr><td>Float</td><td>Non-Ferrous</td></tr><tr><td>Seal</td><td>Viton</td></tr><tr><td>O Ring</td><td>Viton</td></tr><tr><td>Max. Working Pressure</td><td>150 psig</td></tr><tr><td>Max. Operating Temperature</td><td>270°F</td></tr></table>	Body	Brass	Vent Head	Brass	Float	Non-Ferrous	Seal	Viton	O Ring	Viton	Max. Working Pressure	150 psig	Max. Operating Temperature
Body	Brass													
Vent Head	Brass													
Float	Non-Ferrous													
Seal	Viton													
O Ring	Viton													
Max. Working Pressure	150 psig													
Max. Operating Temperature	270°F													
Notes:														

Pipe Size	1/2" and 3/4"
Thread (d)	1/2" FPT
Thread (d1)	3/4" MPT
Diameter (D)	2 - 5/8"
Height (H)	4 - 3/4"
Vent (e2)	1/2" NPT
Width (B)	3 1/2"
Clearance (y)	2"
Weight	2.0 lbs
Model No.	VTP050FT