CLEAN EFFICIENT BUBBLE REMOVAL

Bubble Trap – Customizable for Pharma, Biotech Applications

Jacoby-Tarbox's Hy-Trap™ Hygienic Bubble Traps off consistent performance over a wide range of sizes and customizable configurations.

Consistent Performance

The Hy-Trap design features superior manufacturing techniques across all sizes.

- Centered inlet promotes even dispersion
- Inlet far from wall, leads to faster, more consistent cleaning

Aggressive Drain Design (ADD)

- Highest angle of all manufacturers (>10°)
- Intersecting OD to ID and ID to OD tapers
- Radiused drain entry
- SF4 wetted surface finishes

"L-shape" Seal

- Eliminates Glass-to-metal impingement
- Designed specifically for each glass size
- Self-centering
- Superior cleanability

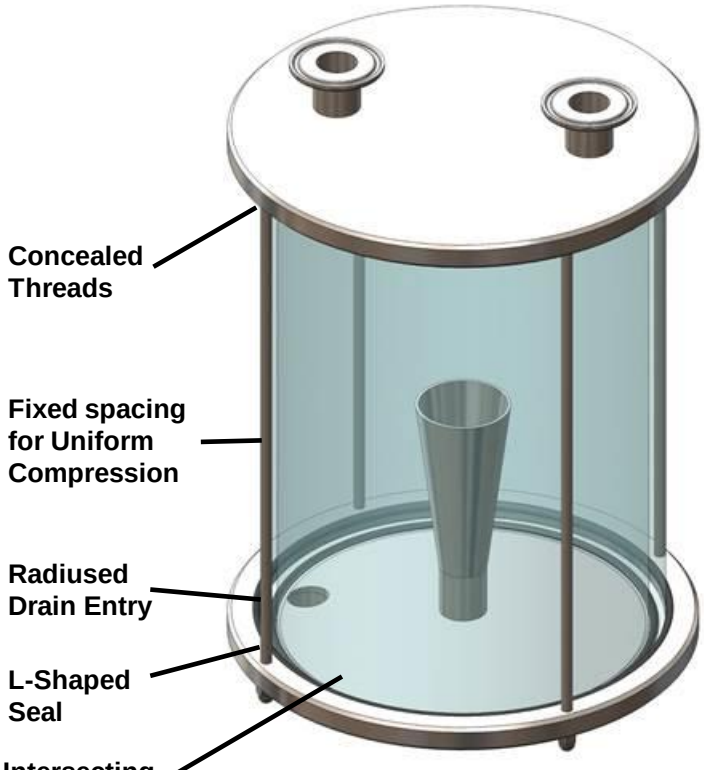
Sizes and Materials:

- Sizes: **4" – 10" (100 – 250 mm)**
  Additional Sizes: Consult Factory
- Materials: **316L SS, Type 1 Borosilicate**
  Custom materials and pressures: Consult Factory

Simplified Unit and Accessory Mounting

Hy-trap comes standard with unit and accessory mounting brackets.

- Remove stress on bubble trap from tubing-only mounting
- Decrease stress on tubing from a heavy bubble trap



Hy-Trap with optional second top connection

JACOBY-TARBOX®
HYGIENICS™

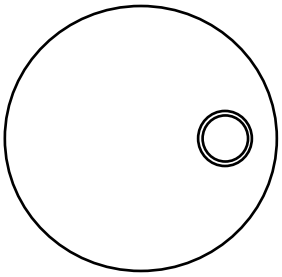
CHOOSING YOUR HY-TRAP®

Hy-Trap Sizing Guide

Multiple traps will work for most applications. Choose your trap based on the following criteria.

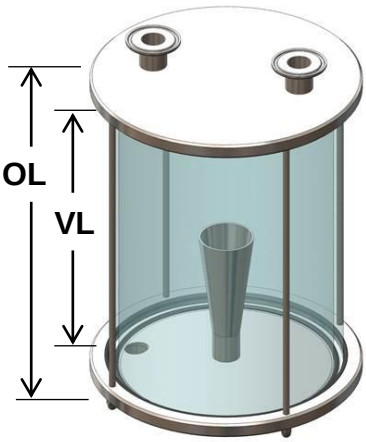
- System flow rate
- Pressure rating
- Potential for excess flow
- Available space (Overall length, diameter)
- See drawings for complete details of each size

		4" Hy-Trap		6" Hy-Trap		8" Hy-Trap		10" Hy-Trap	
	Diameter	IN	mm	IN	mm	IN	mm	IN	mm
		6.0	152	8.0	203	10.0	254	12.0	305
	Pressure Rating	psig	Bar	psig	Bar	psig	Bar	psig	Bar
		150	10.3	100	6.9	75	5.2	60	4.1
System Flow Rate		Hy-Trap® Volume[1]		Hy-Trap Length - Visible Length - Volume (by size and flow)					
				IN	mm	IN	mm	IN	mm
GPM	lpm	GAL	Liter						
1.0	3.8	0.25	0.95	Trap Length					
				9.00	228.6				
Max flow[2]	GPM	lpm		Visble Length					
4"	1.1	4.2		6.00	202.4				
				Liquid in View					
				4.31	109.5				
GPM	lpm	GAL	Liter	Trap Length		Trap Length			
2.0	7.6	0.50	1.89	16.00	406.4	9.00	228.6		
Max flow[2]	GPM	lpm		Visble Length		Visble Length			
4"	2.3	8.8		13.00	380.2	6.00	202.4		
6"	2.5	9.3		Liquid in View		Liquid in View			
				8.87	225.3	3.86	98.0		
GPM	lpm	GAL	Liter	Trap Length		Trap Length		Trap Length	
4.0	15.1	1.00	3.79	24.00	609.6	16.00	406.4	9.00	228.6
Max flow[2]	GPM	lpm		Visble Length		Visble Length		Visble Length	
4"	3.7	14.2		21.00	583.4	13.00	380.2	6.00	202.4
6"	5.2	19.6		Liquid in View		Liquid in View		Liquid in View	
8"	4.1	15.6		17.99	456.9	7.96	202.3	4.64	117.8
GPM	lpm	GAL	Liter			Trap Length		Trap Length	
8.0	30.3	2.00	7.57			24.00	609.6	16.00	406.4
Max flow[2]	GPM	lpm				Visble Length		Visble Length	
6"	8.3	31.4				21.00	583.4	13.00	380.2
8"	8.7	33.0				Liquid in View		Liquid in View	
10"	10.0	37.8				16.18	410.9	9.53	242.0
GPM	lpm	GAL	Liter					Trap Length	
12	45.4	3.00	11.36					24.00	609.6
Max flow[2]	GPM	lpm						Visble Length	
8"	13.9	52.8						21.00	583.4
10"	14.3	54.0						Liquid in View	
								14.42	366.2
GPM	lpm	GAL	Liter					Trap Length	
20	75.7	5.00	18.93					24.00	609.6
Max flow[2]	GPM	lpm						Visble Length	
10"	22.8	86.4						21.00	583.4
								Liquid in View	
								14.69	373.1

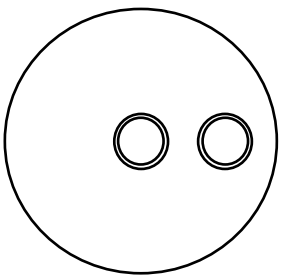


Top of Lid: Vent / Accessories

(See drawing for size, quantity, and location options)



OL = Overall Length
VL = Visible Length



Bottom of Base: Input/Output

(See drawing for size options)

(1) Hy-Trap volume based on 15 second residence time
Calculate Hy-Trap volume for residence times other than 15 seconds by using equation below.
Hy-Trap volume = System Flow x (Residence time / 60 seconds)

(2) Max volume for Hy-trap based on 80% of liquid in view maximum, then calculating flow

(3) Flows in table based on Specific Gravity = 1.0 and Viscosity = 1.0 cP

16633 Foltz Parkway, Strongsville, OH 44149 USA
+1 440-572-1500 • Fax +1 440-238-8828
JT-Hygienics.com • JT-Hygienics@clark-reliance.com

JACOBY·TARBOX® HYGIENICS™