

Pressure Tanks



ASME Code Stainless Steel,
Galvanized and ASME PT Series Tanks

The Case for ASME Code Tanks: Numerous government and insurance bodies (e.g. OSHA, your fire marshal, your insurance underwriter, etc.) use National Fire Protection Association (NFPA) standards. NFPA standards call for the use of ASME-code tanks. All Binks pressure tanks are made to ASME standards.
Note: Neither ITW nor its employees are an Authority Having Jurisdiction (AHJ).

? How to Select a Binks® Pressure Tank: It's helpful to know the following information:

- **Size/Scope of your operation in terms of gallons per day per spray for a given spray station.**
- **If you're using a plural component coating, what is the tank life of your coating?**
- **Is your coating waterborne or solvent borne? What degree of corrosion resistance do you need?**
- **Will you need to use a bottom outlet (may be needed for high viscosity materials or high cost materials).**
- **Will you be putting either 1-gallon or 5-gallon pails in the interior of the pressure tank?**

step 1 Select size and scope.

Gallons of Coating Per 8 Hour Shift	Suggested Tank Size for Single Component Coating	Suggested Tank Size for Plural Component Coating			
		1 Hour Tank Life	2 Hour Tank Life	4 Hour Tank Life	8 Hour Tank Life
Up to 5	2 or 5 Gallon	2 Gallon	2 Gallon	2 Gallon	5 Gallon
Up to 10	10 Gallon	2 Gallon	2 Gallon	5 Gallon	10 Gallon
Up to 15	15 Gallon	2 Gallon	5 Gallon	5 Gallon	15 Gallon
Up to 30	30 Gallon	5 Gallon	5 Gallon	15 Gallon	30 Gallon
Up to 60	60 Gallon	5 Gallon	15 Gallon	30 Gallon	60 Gallon
More than 60	60 Gallon	5 Gallon	15 Gallon	60 Gallon	60 Gallon

Examples: For a single component coating spraying of 12 gallons of coating per 8 hour shift, we suggest a 15 gallon tank. For a 4 hour tank life plural component coating, consuming 12 gallons per 8 hour shift, we suggest a 5 gallon tank.

step 2 Select pressure tank family, based on available features, in table below.

	2 Gallon	5, 10, 15 Gallon	30, 60 Gallon	Includes Fill Port	Waterborne Compatible	Overall Corrosion Resistance	Maximum Pressure Rating	Available with Bottom Outlet	2-Gallon Size (Accepts 1 Gallon Pails)	5-Gallon Size (Accepts 5 Gallon Pails)
83C with Zn Lid (P3)	■				no	good	80 psi (5.5 bar)		■	
83Z with SS Lid (P3)	■				yes, w/liner	better	80 psi (5.5 bar)		■	
183G (P4)	■	■		■	no	better	110 psi (7.5 bar)	■	■	■
183S (P5)	■	■		■	yes	best	110 psi (7.5 bar)	■		■
30/60 Gallon (P6)			■	■	no	better	110 psi (7.5 bar)	■		
30/60 with SS Liner (P6)			■	■	yes	best	110 psi (7.5 bar)	■		

step 3 Select how many regulators you'll need.

Choose your regulation options from the table below. We recommend using a regulator instead of a simple restriction (e.g. a "cheater valve") for greater control and to avoid an initial blast of higher pressure air when you first pull the trigger on your spray gun.

	Fluid Regulation 0 to 100 psi Choose for viscous or long runs of material	Fluid Regulation 0 to 30 psi Choose for short runs of low viscosity material	Air Atomization 0 to 160 psi Choose for better control of atomizing air
Option 1: Single regulated	■		
Option 2: Double regulated	■		■
Option 3: Single regulated with improved low fluid pressure control		■	
Option 4: Double regulated with improved low fluid pressure control		■	■

step 4 Select your agitation option.

For coatings that remain well dispersed over time, you may not need any agitation. If you have either a low viscosity material, or a small volume of material, direct drive agitation is an option. For higher viscosity materials or larger volumes of material, or where there is a risk of air entrainment, we recommend a gear reduced agitator.

	Low viscosity materials or smaller volumes of material	Higher viscosity materials or larger volumes of material or where air entrapment could be a problem
None		
Direct Drive	■	
15:1 Gear Reduced	■	■

Binks® ASME Code PT Tanks are a great choice in a 2-gallon pressure tank, spraying up to 80 psi of fluid pressure.

- Choose zinc-plated lid and shell options (83C-) for solvent borne materials.
- Choose stainless steel lid and zinc-plated shell options (83Z-) for waterborne materials.

Tank Size	Holds Container Size	Internal Volume (Gallon)	Head Gasket	Disposable Liner	Bottom Outlet Kit	Service Bulletin Reference	Estimated Shipping Weights for Tanks without Agitators (lbs)	Estimated Shipping Weights for Tanks with Agitators (lbs)
2 gallon, zinc plated lid	1 gallon pail	2.8	PT-33-1	PT-78-K60	–	SBBI-21-044	31	38
2 gallon, SS lid	1 gallon pail	2.8	PT-33-1	PT-78-K60	–	SBBI-21-043	31	38

2 Gallon PT Tanks / Specifications	
Max Working Pressure, psi	80 psi (5.5 bar)
Air Inlet	1/4" NPS(m)
Fluid Outlet	3/8" NPS(m)
Fluid Outlet if using bottom outlet kit	n/a

2 Gallon PT Tanks / Capacity and Dimensions	
Standard paint container that will fit inside	1 gallon
Inside diameter	9½"
Inside height at center	9½"
Overall height	20½"
Overall width	13¾"



Binks® ASME Code PT Tanks					
Zinc Plated Lid & Shell	Stainless Steel Lid and Zinc Plated Shell	Single Regulated (0-100 psi fluid pressure)	Double Regulated (0-100 psi fluid pressure, 0-60 psi atomizing air pressure)	Direct Drive Agitation	2 Gallon Tank Part Number
■		■			83C-210
■		■		■	83C-211
■			■		83C-220
■			■	■	83C-221
	■	■			83Z-210
	■	■		■	83Z-211
	■		■		83Z-220
	■		■	■	83Z-221

NEW Binks® 183G- ASME Code Tanks give you application flexibility for most solvent-borne applications.

Tank Size	Holds Container Size	Internal Volume (Gallon)	Head Gasket	Disposable Liner	Bottom Outlet Kit	Service Bulletin Reference	Estimated Shipping Weights for Tanks without Agitators (lbs)	Estimated Shipping Weights for Tanks with Agitators (lbs)
2 gallon	1 gal. pail	2.8	QMS-80-1	PT-78-K60	183-3000	77-2927	45	59
5 gallon	5 gal. pail	9.8	QM-1458-1	PTL-408-K20	183-3001	77-2928	80	99
10 gallon	5 gal. pail	11.8	QM-1458-1	PTL-412-K8	183-3001	77-2928	86	105
15 gallon	5 gal. pail	19.8	QM-1458-1	PTL-415-K10	183-3001	77-2928	111	130



All 183G tanks include fill port.

Location Lug ensures proper lid orientation

Galvanized Tanks / Specifications	
Max Working Pressure, psi	110 psi (7.5 bar)
Air Inlet	¼" NPT (m)
Fluid Outlet	¾" NPT (m)
Fluid Outlet if using bottom outlet kit	¾" NPT (m) or ¾" NPS (m)

Galvanized Tanks / Capacity and Dimensions				
	2 Gallon Tanks	5 Gallon Tanks	10 Gallon Tanks	15 Gallon Tanks
Standard paint container that will fit inside	1 gallon	5 gallon	5 gallon	5 gallon
Inside diameter	9½"	14"	14"	14"
Inside height at center	9½"	16"	19½"	26½"
Overall height	23⅝"	30⅝"	33⅝"	43⅝"
Overall width	13⅝"	18½"	18½"	18½"



183G-523



183G-1010

Larger handles for increased portability

Binks® ASME Code Galvanized Carbon Steel Tanks									
Single Regulated	Double Regulated	Single Regulated with Extra Sensitive Regulator	Double Regulated with Extra Sensitive Regulator	Direct Drive Agitator	15:1 Gear Reduced Agitator	2 Gallon Tank Part Number	5 Gallon Tank Part Number	10 Gallon Tank Part Number	15 Gallon Tank Part Number
						183G-200	183G-500	183G-1000	183G-1500
■						183G-210	183G-510	183G-1010	183G-1510
■				■		183G-211	-	-	-
■					■	183G-213	183G-513	183G-1013	183G-1513
	■					183G-220	183G-520	183G-1020	183G-1520
	■			■		183G-221	-	-	-
	■				■	183G-223	183G-523	183G-1023	183G-1523
		■				183G-230	183G-530	183G-1030	183G-1530
		■		■		183G-231	-	-	-
		■			■	183G-233	183G-533	183G-1033	183G-1533
			■			183G-240	183G-540	183G-1040	183G-1540
			■	■		183G-241	-	-	-
			■		■	183G-243	183G-543	183G-1043	183G-1543



183G-210

NEW Binks® 183S- ASME Code Tanks give you application flexibility with our best chemical resistance. Suitable for waterborne coatings.

SS Steel Tanks

Stainless

Tank Size	Holds Container Size	Internal Volume (Gallon)	Head Gasket	Disposable Liner	Bottom Outlet Kit	Service Bulletin Reference	Estimated Shipping Weights for Tanks without Agitators (lbs)	Estimated Shipping Weights for Tanks with Agitators (lbs)
2 gallon	1 gal. pail	2.8	QMS-80-1	PTL-78-K60	183-3000	77-2927	38	52
5 gallon	5 gal. pail	9.8	QM-1458-1	PTL-408-K20	183-3001	77-2929	69	90
10 gallon	5 gal. pail	11.8	QM-1458-1	PTL-412-K8	183-3001	77-2929	71	90
15 gallon	5 gal. pail	19.8	QM-1458-1	PTL-415-K10	183-3001	77-2929	89	108



All 183S tanks include fill port.



Stainless Steel Tanks / Specifications	
Max Working Pressure, psi	110 psi (7.5 bar)
Air Inlet	¼" NPT (m)
Fluid Outlet	⅜" NPT (m)
Fluid Outlet if using bottom outlet kit	¾" NPT (m) or ¾" NPS (m)

Stainless Steel Tanks / Capacity and Dimensions				
	2 Gallon Tanks	5 Gallon Tanks	10 Gallon Tanks	15 Gallon Tanks
Standard paint container that will fit inside	1 gallon	5 gallon	5 gallon	5 gallon
Inside diameter	9½"	14"	14"	14"
Inside height at center	9½"	16"	19⅙"	26⅙"
Overall height	23⅜"	30⅝"	33⅜"	43⅜"
Overall diameter	13⅜"	18½"	18½"	18½"



Binks® ASME Code Stainless Steel Tanks									
Single Regulated	Double Regulated	Single Regulated with Extra Sensitive Regulator	Double Regulated with Extra Sensitive Regulator	Direct Drive Agitator	15:1 Gear Reduced Agitator	2 Gallon Tank Part Number	5 Gallon Tank Part Number	10 Gallon Tank Part Number	15 Gallon Tank Part Number
						183S-200	183S-500	183S-1000	183S-1500
■						183S-210	183S-510	183S-1010	183S-1510
■				■		183S-211	—	—	—
■					■	183S-213	183S-513	183S-1013	183S-1513
	■					183S-220	183S-520	183S-1020	183S-1520
	■			■		183S-221	—	—	—
	■				■	183S-223	183S-523	183S-1023	183S-1523
		■				183S-230	183S-530	183S-1030	183S-1530
		■		■		183S-231	—	—	—
		■			■	183S-233	183S-533	183S-1033	183S-1533
			■			183S-240	183S-540	183S-1040	183S-1540
			■	■		183S-241	—	—	—
			■		■	183S-243	183S-543	183S-1043	183S-1543

30 & 60 Gallon Tanks

Binks® ASME Code 30 and 60 Gallon Tanks are ideal for larger jobs such as line stripping or supporting multiple guns. Choose Galvanized units for most applications. Choose Stainless steel fitted galvanized tanks for waterborne applications.

Tank Size	Head Gasket	Bottom Outlet Kit	Service Bulletin Reference for Non-Agitated Tanks	Service Bulletin Reference for Agitated Tanks	Estimated Shipping Weights for Tanks without Agitators (lbs)	Estimated Shipping Weights for Tanks with Agitators (lbs)
30 gallon	83-2120	83-4229	77-1345	77-1347	240	250
60 gallon	83-2122	83-4230	77-1324	77-1322	335	370

Binks® ASME Code 30 and 60 Gallon Tanks					
Single Regulated	15:1 Gear Reduced Agitator	30 Gallon Tank in Galvanized Steel	60 Gallon Tank in Galvanized Steel	30 Gallon Shell in Galvanized Steel (for a Stainless Steel Fitted Tank)	60 Gallon Shell in Galvanized Steel (for a Stainless Steel Fitted Tank)
■		83-5801	83-5701	83-5873 plus 30 gallon liner (see below)	83-5773 plus 60 gallon liner (see below)
■	■	83-5807	83-5707	83-5879 plus 30 gallon liner (see below)	83-5779 plus 60 gallon liner (see below)

30 and 60 Gallon Tank Liners			
Top Outlet	Bottom Outlet (includes bottom outlet kit)	30 Gallon SS Liner	60 Gallon SS Liner
■		83-1569	83-1581
	■	83-2230	83-2229

For a Complete System		
Configuration...	For a top outlet tank, order...	For a bottom outlet tank, order...
Galvanized 30 Gallon Tank	Tank: 83-5801 or 83-5807	Tank: 83-5801 or 83-5807 plus Bottom outlet kit: 83-4229
Galvanized 60 Gallon Tank	Tank: 83-5701 or 83-5707	Tank: 83-5701 or 83-5707 plus Bottom outlet kit: 83-4230
SS Fitted 30 Gallon Tank	Tank: 83-5873 or 83-5879 plus Liner: 83-1569	Tank: 83-5873 or 83-5879 plus Liner: 83-2230 plus Bottom outlet kit: 83-4229
SS Fitted 60 Gallon Tank	Tank: 83-5773 or 83-5779 plus Liner: 83-1581	Tank: 83-5773 or 83-5779 plus Liner: 83-2229 plus Bottom outlet kit: 83-4230

Accessories

183-GZ-5200 Solvent Saver Tanks: Flush your system with significantly less solvent by using our solvent saver tank. By injecting air into your solvent stream you generate turbulence via alternating slugs of solvent and air. This makes for a quicker flush, using less solvent. Two gallon tank size.

Air Control Assemblies for 183G- and 183S- ASME Code Tanks:

Part Number	Description
85-470	Air Control Assembly for 1 regulator
85-471	Air Control Assembly for 1 regulator and agitator
85-472	Air Control Assembly for dual regulation
85-473	Air Control Assembly for dual regulation and agitator
85-490	Air Control Assembly for 1 low fluid pressure regulator
85-491	Air Control Assembly for 1 low fluid pressure regulator and agitator
85-492	Air Control Assembly for dual regulation, low fluid pressure
85-493	Air Control Assembly for dual regulation, low fluid pressure and agitator
85-469	Single to double regulator kit. Convert any single regulated 183G or 183S tank to a double regulated tank.

Fluid All™ Fluid Hose: Suitable for use with solventborne and waterborne coatings as diverse as epoxies, urethanes, conversion varnishes, alkyds, and latex. See our bulletin A28-100 Accessory Guide for additional sizes and lengths.



71-3303

Part Number	Dimensions	Connections	For
71-3303	3/8" ID x 25'	3/8" NPS(F)	Fluid

Ergoflex™ Air Hose: Our 3/8" ID Hose is ideal for applications requiring high volumes of air (e.g. HVLP spraying), yet is surprisingly light and flexible. See our bulletin A28-100 Accessory Guide for additional sizes and lengths.



31-31101

Part Number	Dimensions	Connections	For
31-31101	3/8" ID x 25'	1/4" NPS(F)	Air

Bottom Outlet Kits for 183G- and 183S- ASME Code Tanks:

Bottom outlet kits include sturdy steel legs, mounting fasteners, fittings, and outlet pipe.

	Bottom Outlet Kit	Fluid Outlet if using bottom outlet kit
2 Gallon Tanks	183-3000	3/4" NPT(m) or 3/4" NPS(m)
5, 10 and 15 Gallon Tanks	183-3001	3/4" NPT(m) or 3/4" NPS(m)



183-3005: One leg plus fasteners. Order one to replace a damaged leg. Order three to raise a tank without bottom outlet plumbing.



***Sales and Service through our
Global Network of Distributors***

Carlisle Fluid Technologies offices

- Americas: **USA** ▪ **Mexico** ▪ **Brazil**
Europe: **United Kingdom** ▪ **Germany**
Asia/Pacific Rim: **China** ▪ **Japan** ▪ **India** ▪ **Australia**

BINKS[®]

www.binks.com
1.800.99.BINKS

www.carlisleft.com



© 2016 Carlisle Fluid Technologies, Inc.
© DeVilbiss, Ransburg, MS, BGK and Binks are registered trademarks of Carlisle Fluid Technologies, Inc.
Models and specifications subject to change without notice. All rights reserved.