

BOB[®] - FLOAT VALVES



control
devices, LLC





Ross Brown Sales Pty. Ltd.

Ross Brown Sales Pty Limited (“RBS”) has been proudly servicing our customers since **1957** and continues to be one of Australia’s leading suppliers of measurement and calibration instrumentation to the OEM, petrochemical, liquefied natural gas and food industries.

The company specialises in import/export and distribution of quality instrumentation throughout Australasia. We have highly committed and dedicated staff with extensive experience. Our exclusive distribution arrangements span the company’s entire history and include the following trusted quality American and European manufacturers:

- Ametek Pressure Temperature and motion technologies
- RMC Float Valves
- Condor Werke Pressure Switches
- SJE Rhombus Wastewater level technologies
- Control Devices Air Compressor Components
- Drain All Condensate drains
- ETI Ltd Temperature measurement technology
- Ritter Gas volume meters

RBS operates and maintains a NATA accredited Metrology Laboratory for Pressure for calibration and certification of pressure and vacuum devices covering the range -100kPa vacuum to 100,000kPa pressure.

Our in-house workshop provides repair and certification services for your pressure and temperature instruments.

At RBS, we pride ourselves on providing reliable, tested and proven quality product solutions and count amongst our customers some of Australia’s most respected companies including;

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BP Australia
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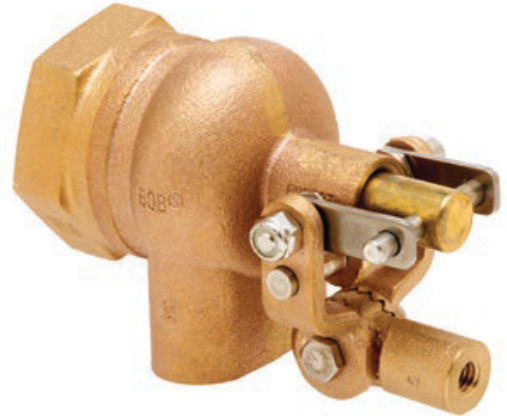
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BOB Float Valves & Assemblies

R605T High Turbo Series BOB® Float Valves

The R605T high turbo series is a high capacity float valve. It has female NPT inlet and free flowing outlet connections. This model is ideal for applications with high turbulence such as cooling towers and car washes. Features include a compound lever mechanism and adjustable short arm for customising water level.

Construction: Heavy duty cast brass with standard Nitrile seals or optional Viton® seals.



Valve only:

RBS Part No.	Description	Pipe Size		Free Discharge Flow Capacity			Weight (LBS)
		Inlet	Outlet	@ 35 PSI	@ 65 PSI	@ 85 PSI	
4019200	RF605T-1/2	1/2" NPTF	Free Flow	18 GPM	24 GPM	27 GPM	1.75
4019201	RF605T-3/4	3/4" NPTF	Free Flow	18 GPM	24 GPM	27 GPM	1.85
4019202	RF605T-1	1" NPTF	Free Flow	63 GPM	96 GPM	110 GPM	2.04
4019203	R605T-1-1/4	1-1/4" NPTF	Free Flow	112 GPM	152 GPM	180 GPM	3.00
4019204	R605T-1-1/2	1-1/2" NPTF	Free Flow	112 GPM	152 GPM	180 GPM	3.00
4019205	R605T-2	2" NPTF	Free Flow	112 GPM	152 GPM	180 GPM	3.00

Valve assembly with stem and float:

RBS Part No.	Description	Pipe Size		Float Ball	Stem (in)	Max. Inlet Pressure	Weight (LBS)
		Inlet	Outlet				
4019200B	RF605T-1/2-5	1/2" NPTF	Free Flow	R440-5	1/4-20 x 10	115 psi	3.00
4019201B	RF605T-3/4-5	3/4" NPTF	Free Flow	R440-5	1/4-20 x 10	115 psi	3.20
4019202B	RF605T-1-5	1" NPTF	Free Flow	R440-8	3/8-16 x 12*	115 psi	4.90
4019203B	R605T-1-1/4-5	1-1/4" NPTF	Free Flow	R440-8	3/8-16 x 12*	115 psi	4.31
4019204B	R605T-1-1/2-5	1-1/2" NPTF	Free Flow	R440-8	3/8-16 x 12*	115 psi	4.44
4019205B	R605T-2-5	2" NPTF	Free Flow	R440-8	3/8-16 x 12*	115 psi	5.06

* R434-11 Adapter Included

Spare Parts Index

RBS Part No.	Description	Page
4019113	PF5 Float 5" Diameter	12
4019115	PF8 Float 8" Diameter	12
4019442	KB143 disc & cup kit suit 1/2" & 3/4" valves	14
4019443	KB146 disc & cup kit suit 1" valves	14
4019444	KB149 disc & cup kit suit 1-1/4", 1-1/2" & 2" valves	14
4019149	10" Brass Stem	14
4019152	12" Brass Stem	14
4019119	R434-11 Adapter 3/8-16 SAE x 3/8" NPT	14

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R400 Series and RH400 Hybrid Series BOB® Float Valves

The R400 series is a high capacity float valve with male NPT inlet and outlet connections. This model features an adjustable short arm for customising water level. Applications include cooling towers, livestock waterers, car washes, high pressure washes, swimming pools and many other agricultural and industrial applications.

The RH400 hybrid float valve is a cost-saving alternative to the standard R400 series BOB® float valve. This model uses hybrid technology combining high density materials to ensure strength and performance while reducing footprint and cost. The RH400 features simple and immediate integration into systems where the R400 is used. It maintains flow capacities and pressure ratings equal to its R400 counterparts making it an ideal replacement in various applications. Additional features include male NPT inlet and free flowing outlet connections, fluted plunger, adjustable short arm for customising water level.



Construction: Heavy duty cast brass with standard Nitrile seals or optional Viton® seals.

Description (valve only)	Pipe Size		Free Discharge Flow Capacity			Weight (LBS)
	Inlet	Outlet	@ 35 PSI	@ 65 PSI	@ 85 PSI	
R400-3/8	3/8" NPT	3/8" NPT	9 GPM	11.5 GPM	13 GPM	0.44
R400-1/2	1/2" NPT	1/2" NPT	12 GPM	18 GPM	22 GPM	0.63
R400-3/4	3/4" NPT	3/4" NPT	21 GPM	32.5 GPM	39.9 GPM	0.82
R400-1	1" NPT	1" NPT	43.5 GPM	61 GPM	68.5 GPM	1.13
RH400-3/4	3/4" NPT	3/4" NPT	21 GPM	-	39.9 GPM	0.43
RH400-1	1" NPT	1" NPT	43.5 GPM	-	68.5 GPM	0.85

Valve Assembly with Stem & Float Available

R700 Series BOB® Float Valves

The R700 series is a high capacity float valve. It has male straight NPT inlet and male NPT outlet connections and is designed for tank wall mounting installation. This model features an adjustable short arm for customising water level. Applications include cooling towers, livestock waterers, car washes, high pressure washes, swimming pools and many other agricultural and industrial applications.



Construction: Heavy duty cast brass with standard Nitrile seals or optional Viton® seals.

Description (valve only)	Pipe Size		Free Discharge Flow Capacity			Weight (LBS)
	Inlet	Outlet	@ 35 PSI	@ 65 PSI	@ 85 PSI	
R700-3/8	3/8" NPT	3/8" NPT	9 GPM	11.5 GPM	13 GPM	0.46
R700-1/2	1/2" NPT	1/2" NPT	12 GPM	18 GPM	22 GPM	0.66
R700-3/4	3/4" NPT	3/4" NPT	21 GPM	32.5 GPM	39.9 GPM	0.87
R700L-3/8	3/8" NPT	3/8" NPT	9 GPM	11.5 GPM	13 GPM	0.47
R700L-1/2	1/2" NPT	1/2" NPT	12 GPM	18 GPM	22 GPM	0.68
R700L-3/4	3/4" NPT	3/4" NPT	21 GPM	32.5 GPM	39.9 GPM	0.89

Valve Assembly with Stem & Float Available for "L" Model

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R600 Series BOB® Float Valves

The R600 series is a high capacity float valve with female NPT inlet and outlet connections. This model features a compound lever mechanism and rotating plunger to prevent seal wear. Applications include cooling towers, livestock waterers, car washes, high pressure washes, swimming pools and many other agricultural and industrial applications.



Construction: Heavy duty cast brass with standard Nitrile seals or optional Viton® seals.

Description (valve only)	Pipe Size		Free Discharge Flow Capacity			Weight (LBS)
	Inlet	Outlet	@ 35 PSI	@ 65 PSI	@ 85 PSI	
R600-1-1/4	1-1/4" NPT	1-1/4" NP	82 GPM	105 GPM	120 GPM	3.50
R600-1-1/2	1-1/2" NPT	1-1/2" NP	82 GPM	105 GPM	120 GPM	3.50

Valve Assembly with Stem & Float Available

R610 Series BOB® Float Valves

The R610 series is a high capacity float valve. It has female NPT inlet and free flowing outlet connections. This model features a rotating plunger to prevent seal wear, an adjustable short arm for customising water level and a compound lever mechanism. Applications include cooling towers, livestock waterers, car washes, high pressure washes, swimming pools and many other agricultural and industrial applications.



Construction: Heavy duty cast brass with standard Nitrile seals or optional Viton® seals.

Description (valve only)	Pipe Size		Free Discharge Flow Capacity			Weight (LBS)
	Inlet	Outlet	@ 35 PSI	@ 65 PSI	@ 85 PSI	
R610-1-1/4	1-1/4" NPT	Free Flow	112 GPM	152 GPM	180 GPM	2.75
R610-1-1/2	1-1/2" NPT	Free Flow	112 GPM	152 GPM	180 GPM	2.75
R610-2	2" NPT	Free Flow	112 GPM	152 GPM	180 GPM	2.75
RF610-1-1/4	1-1/4" NPT	Free Flow	112 GPM	152 GPM	180 GPM	2.75
RF610-1-1/2	1-1/2" NPT	Free Flow	112 GPM	152 GPM	180 GPM	2.75
RF610-2	2" NPT	Free Flow	112 GPM	152 GPM	180 GPM	2.75

Valve Assembly with Stem & Float Available

RC810 Casa Series BOB® Float Valves

The RC810 casa series is a float valve with male NPT inlet and free flowing outlet connections. Applications include cooling towers, livestock waterers, car washes, high pressure washes, swimming pools and many other agricultural and industrial applications.



Max Operating Temperature: 120°F

Construction: Cast brass with compound lever mechanism and fluted celcon plunger.

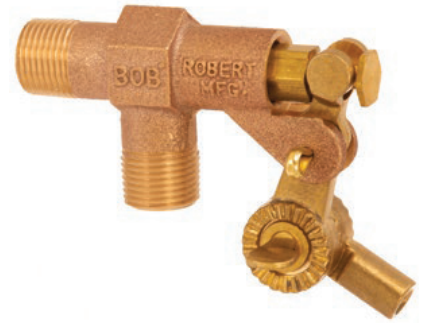
Description (valve only)	Pipe Size		Free Discharge Flow Capacity			Weight (LBS)
	Inlet	Outlet	@ 35 PSI	@ 65 PSI	@ 85 PSI	
RC810-3/8	3/8" NPT	Free Flow	9 GPM	11.5 GPM	13 GPM	0.63
RC810-1/2	1/2" NPT	Free Flow	14 GPM	20 GPM	22.5 GPM	0.75
RC810-3/4	3/4" NPT	Free Flow	27 GPM	33 GPM	36 GPM	0.84
RC810-1	1" NPT	Free Flow	80 GPM	121 GPM	138 GPM	1.56

Valve Assembly with Stem & Float Available

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R900 Series BOB® Float Valves

The R900 series is a high capacity float valve. It has male NPT inlet and outlet connections. This model features a fluted plunger ideal for applications where heavy sand and/or silt are expected. Additional features include an adjustable short arm for customising water level. Applications include cooling towers, livestock waterers, car washes, high pressure washes, swimming pools and many other agricultural and industrial applications.



Construction: Heavy duty cast brass with standard Nitrile seals or optional Viton® seals.

Description (valve only)	Pipe Size		Free Discharge Flow Capacity			Weight (LBS)
	Inlet	Outlet	@ 35 PSI	@ 65 PSI	@ 85 PSI	
R900-3/8	3/8" NPT	3/8" NPT	9 GPM	11.5 GPM	13 GPM	0.44
R900-1/2	1/2" NPT	1/2" NPT	12 GPM	18 GPM	22 GPM	0.63
R900-3/4	3/4" NPT	3/4" NPT	21 GPM	32.5 GPM	39.9 GPM	0.83
R900-1	1" NPT	1" NPT	43.5 GPM	61 GPM	38.5 GPM	1.13

Valve Assembly with Stem & Float Available

R1350 & R1351 Series BOB® Float Valves

The R1350 & R1351 series is a high capacity float valve. This model has female NPT inlet and outlet connections. This model is ideal for applications where caustic fluids are used or where sanitation is a concern. Features include NSF listing and an adjustable short arm for customising water level.



Construction: Heavy duty stainless steel cast, AISI 316 stainless steel components, standard Viton® seals on R1350 models and standard Teflon™ seals on R1351 models.

Description (valve only)	Pipe Size		Free Discharge Flow Capacity			Weight (LBS)
	Inlet	Outlet	@ 35 PSI	@ 65 PSI	@ 85 PSI	
R1350-3/8 / R1351-3/8	3/8" NPT	3/8" NPT	37.5 GPM	52 GPM	58 GPM	1.68
R1350-1/2 / R1351-1/2	1/2" NPT	1/2" NPT	37.5 GPM	52 GPM	58 GPM	1.63
R1350-3/4 / R1351-3/4	3/4" NPT	3/4" NPT	37.5 GPM	52 GPM	58 GPM	1.56

Valve Assembly with Stem & Float Available

R1360 & R1361 Series BOB® Float Valves

The R1360 & R1361 series is a high capacity float valve. This model has male NPT inlet and female NPT outlet connections. This model is ideal for applications where caustic fluids are used or where sanitation is a concern. Features include NSF listing and an adjustable short arm for customising water level.



Construction: Heavy duty stainless steel cast, AISI 316 stainless steel components, standard Viton® seals on R1360 models and standard Teflon™ seals on R1361 models.

Description	Pipe Size		Free Discharge Flow Capacity			Weight (LBS)
	Inlet	Outlet	@ 35 PSI	@ 65 PSI	@ 85 PSI	
R1360-3/4 / R1361-3/4	3/4" NPT	3/4" NPT	37.5 GPM	52 GPM	58 GPM	1.31

Valve Assembly with Stem & Float Available

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R1370 & R1371 Series BOB® Float Valves

The R1370 & R1371 series is a high capacity, heavy duty stainless steel cast float valve featuring AISI 316 stainless steel components. This model has female NPT inlet and outlet connections. This model is ideal for applications where caustic fluids are used or where sanitation is a concern. Features include NSF listing and an adjustable short arm for customising water level.



Construction: Heavy duty stainless steel cast, AISI 316 stainless steel components, standard Viton® disc seal with Teflon™ cup seal on R1370 models and standard Teflon™ seals on R1371 models.

Description (valve only)	Pipe Size		Free Discharge Flow Capacity			Weight (LBS)
	Inlet	Outlet	@ 35 PSI	@ 65 PSI	@ 85 PSI	
R1370-1 / R1371-1	1" NPT	3/4" NPT	52.5 GPM	62.4 GPM	71.1 GPM	1.50

Valve Assembly with Stem & Float Available

R1380 & R1381 Series BOB® Float Valves

The R1380 & R1381 series is a high capacity float valve. This model has female NPT inlet and outlet connections. This model is ideal for applications where caustic fluids are used or where sanitation is a concern. Features include NSF listing, an adjustable short arm for customising water level and a compound lever mechanism.



Construction: Heavy duty stainless steel cast, AISI 316 stainless steel components, standard Viton® disc seal with Teflon™ cup seal on R1380 models and standard Teflon™ seals on R1381 models.

Description (valve only)	Pipe Size		Free Discharge Flow Capacity			Weight (LBS)
	Inlet	Outlet	@ 35 PSI	@ 65 PSI	@ 85 PSI	
R1380-1-1/4 / R1381-1-1/4	1-1/4" FIP	1-1/4" FIP	112 GPM	152 GPM	180 GPM	4.25
R1380-1-1/2 / R1381-1-1/2	1-1/2" FIP	1-1/2" FIP	112 GPM	152 GPM	180 GPM	4.25
R1380-2 / R1381-2	2" FIP	2" FIP	112 GPM	152 GPM	180 GPM	4.25

Valve Assembly with Stem & Float Available

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Miniature BOBBY® Float Valves

BOBBY® Brass Float Valve Series (RM66, RM71, RM79, RM378)

The BOBBY® valve is a miniature float valve. BOBBY® valves come standard with a Nitrile plunger seal and feature a standard 1/8" orifice size.

Max. Temperature: 175°F

Construction: Brass body, stainless steel seat and a plastic (either polyethylene or polypropylene depending on model) float.

Valve Assembly with Stem & Polyethylene Float:

Description	Inlet Connections	Overall Length	Flow Capacity		Max. Inlet Pressure	Weight (LBS)
			@ 35 PSI	@ 85 PSI		
RM66BK	1/4" Compression	9-3/4"	1.31 GPM	2.25 GPM	125 PSI	18
RM71BK	3/8" MNPT Tapped 1/8 FNPT	9-3/4"	1.31 GPM	2.25 GPM	125 PSI	23
RM79BK	1/2" MNPT Tapped 1/4 FNPT	9-3/4"	1.31 GPM	2.25 GPM	125 PSI	30
RM378BK	3/8" Compression	11/1/08"	1.31 GPM	2.25 GPM	125 PSI	36



BOBBY® T Series Float Valves (RM150, RM153, RM214)

The BOBBY® valve is a miniature float valve. BOBBY® valves come standard with a Nitrile plunger seal and feature a standard 1/8" orifice size. BOBBY® T series valves feature a similar mechanical operation as the larger BOB® valves.

Max. Temperature: 175°F

Construction: Forged brass body, stainless steel seat and a plastic (either polyethylene or polypropylene depending on model) float.

Valve Assembly with Stem & Polyethylene Float:

Description	Inlet Connections	Overall Length	Flow Capacity		Max. Inlet Pressure	Weight (LBS)
			@ 35 PSI	@ 85 PSI		
RM150 BLK	1/4" Compression	9-7/8"	1.31 GPM	2.25 GPM	125 PSI	28
RM153BK	3/8" MNPT Tapped 1/8 FNPT	9-7/8"	1.31 GPM	2.25 GPM	125 PSI	33
RM214BK	1/2" NPT (3/8" Compression Outlet)	9"	2.5 GPM	3.5 GPM	125 PSI	12



RM262 and RM262P Series BOBBY® Float Valves

The RM262 series is a miniature float valve. This model is NSF listed as food service equipment and ideal for applications where caustic fluids are used or where sanitation is a concern.

RM262 Construction: Stainless steel and all stainless steel components and a standard Viton® plunger seal.

RM262P Construction: Combination stainless steel and non-corrosive plastic body, brass inlet and a plastic (either polyethylene or polypropylene depending on model) float, all stainless steel and FDA approved plastic components, a standard Viton® plunger seal, stainless steel seat, stainless steel stem and polypropylene float.

Valve Assembly:

Description	Inlet Connections	Overall Length	Flow Capacity		Max. Inlet Pressure	Weight (LBS)
			@ 35 PSI	@ 85 PSI		
RM262-N	1/4" NPT	9"	1.31 GPM	2.25 GPM	125 PSI	12
RM262P-N	1/4" NPT	9-3/4"	1.31 GPM	2.25 GPM	125 PSI	6



RM262P

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BOBBY® Combo Float Valve Series (RM64, RM65, RM155, RM153P)

The BOBBY® valve is a miniature float valve. BOBBY® valves come standard with a Nitrile plunger seal and feature a standard 1/8" orifice size.

Max. Temperature: 175°F

Construction: Combination brass and non-corrosive plastic body, brass inlet and a plastic (either polyethylene or polypropylene depending on model) float.

Valve Assembly with Stem & Polythylene Float:

Description	Inlet Connections	Overall Length	Flow Capacity		Max. Inlet Pressure	Weight (LBS)
			@ 35 PSI	@ 85 PSI		
RM64BK	1/4" Compression	9-3/4"	1.31 GPM	2.25 GPM	125 PSI	19
RM65BK	1/4" Hose Barb	10"	1.31 GPM	2.25 GPM	125 PSI	19
RM155BK	1/4" Compression	9-7/8"	1.31 GPM	2.25 GPM	125 PSI	30
RM153BK*	3/8" MNPT Tapped 1/8" FNPT	9-7/8"	1.31 GPM	2.25 GPM	125 PSI	33

* Body and seat made of Celcon®



RM292 Series BOBBY® Float Valves

The RM292 series is a miniature float valve and is our smallest valve and float assembly available. It is NSF listed as food service equipment and ideal for applications where caustic fluids are used or where sanitation is a concern.

Construction: Combination stainless steel and non-corrosive plastic body, all stainless steel and FDA approved plastic components, compact design, vertical/horizontal inlet options, various inlet connection types, stainless steel seat, polypropylene float and adjustable stainless steel stem for customising water level.

Valve Assembly:

Description	Inlet Connections	Float	Orifice	Flow Capacity	Weight (LBS)
RM292-1-N	1/4" Compression Nut	PF33	0.052"	0.3 GPM	0.3
RM292-P-N	1/4" Compression Nut; Nickel	PF29S-1	0.063"	0.56 GPM	0.3
RM292-2-N	1/4" Compression Wing Nut	PF33	0.52"	0.3 GPM	0.3
RM292P-1-N	1/4" Compression Nut; Nickel Plated Inlet Celcon® Body	PF29S-1	0.63"	0.56 GPM	0.3
RM292-12-N	1/4" Compression Nut; Bobby® Combo Body	PF29S-1	0.052"	0.3 GPM	0.3
RM292-9A-1-N	1/4" Compression Nut	PF16	0.052"	0.3 GPM	0.3
RM292-25A-N	1/8" NPT Brass Body	PF16	0.052"	0.3 GPM	0.3



RM296 Series BOBBY® Float Valves

The RM296 series is a miniature float valve. This model features vertical orientation with a built in in-line filter and unique manual sliding shut-off. NSF listed as food service equipment.

Construction: Plastic body, components are FDA approved plastic and stainless steel, removable stainless steel mesh filter screen, integral splash guard, polypropylene float and adjustable stainless steel stem for customising water level.

Valve Assembly:

Description	Inlet Connections	Float	Orifice	Flow Capacity	Weight (LBS)
RM296-1-N	1/4" Compression Nut	PF29S-1	0.052"	0.3 GPM	0.4
RM296-2-N	1/8" NPT Brass Body	PF19	0.093"	1.3 GPM	0.4



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Ice Kit Reservoirs

RM107 Series Ice Kit BOBBY® Valve Reservoir Assemblies

The RM107 series ice kits are valve and reservoir assemblies for use in ice-making machines. They are NSF listed as food service equipment. The stem is adjustable for customising water level, and vertical/ horizontal inlet options with various connection types.

Construction: Plated brass, stainless steel and FDA approved plastic materials, polycarbonate reservoir, polypropylene float, adjustable stainless steel stem.



Description	Inlet Orientation	Inlet Connection	Flow Capacity at 50 PSI	Weight (LBS)
RM107-2211-N	Vertical Brass	1/4" Compression Nut	0.52 GPM	0.5
RM107P-2211-N	Vertical Celcon®	1/4" Compression Nut	0.52 GPM	0.5
RM107-2221-N	Vertical Brass	1/4" Compression Wing Nut	0.52 GPM	0.6
RM107P-2221-N	Vertical Celcon®	1/4" Compression Wing Nut	0.52 GPM	0.6
RM107-2241-N	Horizontal Combo	1/4" Compression Nut	0.52 GPM	0.6

RM416 Series Ice Kit BOBBY® Valve Reservoir Assemblies

The RM416 series ice kits are valve and reservoir assemblies for use in large capacity ice-making machines. They are NSF listed as food service equipment. The stem is adjustable for customising water level, and a vertical inlet with various connection types.

Construction: Plated brass, stainless steel and FDA approved plastic materials, polycarbonate reservoir, polypropylene float, adjustable stainless steel stem.



Description	Inlet Orientation	Inlet Connection	Flow Capacity at 50 PSI	Weight (LBS)
RM416-1-N	Vertical Brass	1/4" Compression Elbow	0.52 GPM	0.8

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Floats

R440 Series Spherical Copper Floats

BOB® copper floats are made in the USA and consist of two halves soldered together using an inside lapping joint with lead-free solder. Each model has a female thread spud connection. They are designed for open tank service only.



Construction: Copper

Description	Float Diameter	Buoyancy (LBS)	Spud Connection	Weight (LBS)	Description	Float Diameter	Buoyancy (LBS)	Spud Connection	Weight (LBS)
R440-3	3"	0.34	1/4-20 SAE	0.19	R440-8	8"	8.03	3/8 NPT	1.94
R440-4	4"	0.80	1/4-20 SAE	0.38	R442-8	8"	8.03	3/8-16 SAE	1.94
R440-5	5"	1.73	1/4-20 SAE	0.58	R440-10	10"	16.66	1/2 NPT	3.25
R440-6	6"	3.26	1/4-20 SAE	0.69	R442-10	10"	16.66	3/8-16 SAE	3.25
R441-6	6"	3.26	5/16-18 SAE	0.69	R440-12	12"	28.38	3/4 NPT	4.50
R442-6	6"	3.26	3/8-16- SAE	0.69	R442-12	12"	28.38	4/8-16 SAE	4.50
R440-7	7"	5.72	3/8 NPT	1.38	RM141	4" x 7" (Oval)	2.19	1/4-20 SAE	0.6
R441-7	7"	5.72	5/16-18 SAE	1.38					
R442-7	7"	5.72	3/8-16 SAE	1.38					

PF Series Polypropylene Floats

BOB® polypropylene floats are made in the USA and are lightweight, corrosion-resistant and suitable for use in a broad range of destructive fluids. They are designed for open tank service only. Connection type varies by model between a female thread spud connection, slotted connection and universal thread connections. Some models can be weighted as required.

Max. Temperature: 175°F

Construction: Plastic

Description	Dimensions (in)			Diameter	Buoyancy (oz)	Female Spud Connection	Weight (LBS)
	Length	Width	Height				
PF21	3.75	2.625	2.25		9.23	8-32	1.10
PF21-1	3.75	2.625	2.25		9.23	1-1/4-20	1.10
PF22 - Internal Spud Polypropylene	3.75	2.625	1.437		6.47	**	0.75
PF22B - External Spud Blow Mold Polyethylene*	3.75	2.625	1.437		6.47	**	0.75
PF23 (Cylindrical)	5.25			2.75"	5.27	8-32	0.73
PF24 (Pan)			1.75	2.75"	5.27	8-32	0.89
PF24-5 (Pan)			1.75	2.75"	5.27	1/4-20	0.89
PF26 (Cylindrical)^	3.75			1.50"	3.26	**	0.73
PF29 (Cylindrical)		2.625		1.50"	2.14	8-32	0.50
PF29-1 (Cylindrical)		2.625		1.50"	2.14	#	0.50
PF29S (Cylindrical)		3		1.50"	2.78	8-32	0.53
PF29S-1 (Cylindrical)		3		1.50"	2.78	#	0.53
PF30 (Flat Rectangular)	2.25	3.375	1	4.26"		8-32	0.78
PF31 (Cylindrical)	3.75			2.00"	5.68	8-32	0.91
PF33 (Square Profile)	2.75	1.25	1.25	1.73"		#	0.40
PF36 (Micro Pan)			0.75	2.00"	1.00	6-32	0.40
PF36-1 (Micro Pan)			1.437	2.00"	2.69	6-32	0.50
PF45 (Oval)	5			4.00"	24.30	1/4-20	2.50
PF46 (Cylindrical)		6		4.00"	39.10	1/4-20	4.10



* not NSF listed material ** Universal 6-32 and 8-32 connection

^ Can be weighted per requirements # Slotted (push-on)

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PF Series Spherical Polypropylene Floats

BOB® polypropylene floats are made in the USA and are lightweight, corrosion-resistant and suitable for use in a broad range of destructive fluids. They are designed for open tank service only in applications where temperatures do not exceed 175°F. Connection type varies by model between a female thread spud connection, slotted connection and universal thread connections. The PF5, PF6 and PF8 models are black UV resistant.



Construction: Plastic

RBS Part Number	Description	Float Diameter	Buoyancy (LBS)	Female Spud Connection	Weight (LBS)
4019113	PF5	5"	1/4-20	2.17	0.18
	PF6	6"	1/4-20	3.81	0.28
	PF6-7	6"	5/16-18	3.81	0.28
4019115	PF8	8"	3/8 NPT	9.87	1.00
	PF8-1	8"	1/4-20	9.87	1.00
	PF8-2	8"	3/8-16	9.87	1.00
	PF8-7	8"	5/16-18	9.87	1.00

Description	Fits Rod Diameter	Hole Size	Buoyancy (LBS)	Female Spud Connection	Weight (LBS)
PF8-SR250	1/4"	0.300"	9.00	3/8 NPT	1.00
PF8-SR375	3/8"	0.406"	9.00	3/8 NPT	1.00
PF8-SR500	1/2"	0.550"	9.00	3/8 NPT	1.00
PF8-SR625	5/8"	0.656"	9.00	No Spud	1.00
PF8-SR750	3/4"	0.812"	9.00	No Spud	1.00
PF8-SR875	7/8"	0.921"	9.00	No Spud	1.00

R1340 Series Stainless Steel Floats

BOB® stainless steel floats are made in the USA from two halves of AISI grade 316 stainless steel welded together. This material provides an increased resistance to corrosion and chemicals. Stainless steel floats are ideal for high pressure, high temperature applications where corrosion or sanitation is a concern. Each model has a female thread spud connection.



Construction: Stainless Steel

Description	Float Diameter	Buoyancy (LBS)	Female Spud Connection	Weight (LBS)
R1340-3	3"	0.21	1/4-20 SAE	0.19
R1340-4	4"	0.65	1/4-20 SAE	0.44
R1340-5	5"	1.55	1/4-20 SAE	0.81
R1340-6	6"	2.15	1/4-20 SAE	1.19
R1340-7	7"	3.09	3/8 NPT	1.75
R1340-8	8"	6.44	3/8 NPT	1.81
R1340-10	10"	11.63	1/2 NPT	7.19
R1340-12	12"	22.25	3/4 NPT	9.75

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Miscellaneous Water Control Valves

RMB25 Ice Bull

The RMB25 Ice Bull is an automatic ice prevention system for livestock watering tanks. The valve is semi-submerged in the watering tank and opens when the water temperature drops to 42°F allowing warmer water to flow into the tank creating movement on the surface and warming the tank. The valve closes once the water temperature rises above 42°F. This model features 1/4" female NPT inlet and 1/8" female NPT outlet connection and a minimal flow rate to conserve water use (.2 gallons per minute).

RMB25-1 Ice Bull Kit: Complete with Ice Bull and several fittings for installation. Features female NPT inlet and outlet connection and a minimal flow rate to conserve water use (.2 gallons per minute). The kit includes the Ice Bull, 1/4" x 1/8" NPT brass elbow, 1/8" NPT brass hose barb and 12" length of 1/4" diameter rubber hose.

Construction: Brass and stainless steel construction, Nitrile seals



RMB25 Ice Bull
Float Valve Not Included

BF-3/4 Barrel Faucet Valve

The BF-3/4 is a 3/4" faucet valve. It is designed to be installed directly in barrels or similar containers allowing the contents of the container to be dispensed as needed.



R500-1/4 Miniature In-Line Filter

The R500-1/4 is an in-line filter featuring a quick 1/4" compression connection. It is NSF listed as food service equipment. Features include removable stainless steel mesh filter screen and a unique manual sliding shut-off.

Construction: FDA approved plastic and stainless steel



R825 Compact Livestock Watering Valve Assemblies

The R825 is a compact automatic watering solution. The design allows for easy conversion to automatic watering from existing drums, tanks and troughs. This model has a garden hose inlet and free flowing outlet connections allowing for quick installation. The plastic float cannot leak or become water logged and is completely protected by the surrounding housing. Additional features include two water level settings, high pressure shutoff and a reversible neoprene seal.

Construction: Molded plastic



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Replacement Parts and Accessories

Brass Float Valve Replacement Kits

Plunger, arm and seal



Part Number	Description
4019442	KB143 disc & cup kit suit 1/2" & 3/4" valves
4019443	KB146 disc & cup kit suit 1" valves
4019444	KB149 disc & cup kit suit 1-1/4", 1-1/2" & 2" valves

Stainless Steel Float Valve Replacement Kits

Plunger, arm and seal



BOB® Brass Stems

Threaded stems for BOB® SS float valves



Part Number	Description
4019149	R450-10 1/4-20 SAE x 10"
4019152	R452-12 3/8-16 SAE x 12"

BOB® Stainless Steel Stems

Threaded stems for BOB® SS float valves



Brass / Stainless Steel Adapter

Float to stem adapters for BOB® SS float valves



Part Number	Description
4019119	R434-11 brass adapter 3/8-16 SAE x 3/8" NPT

Everite Livestock Valve Replacement Parts

Stems and swivels for BOB® livestock watering valves



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