

# Go with the flow

## **Philmac Float Valves**

For more than 90 years Philmac have been designing and manufacturing tough, reliable float valves that handle Australia's harsh conditions.



#### **PHILMAC**



## A journey of invention and innovation



The connection you can trust.

#### 1929

"Philmac invents world's first press button toilet cistern"



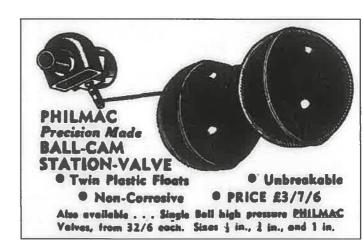


Our story starts with the innovative thinking and determination of one man. Talented engineer, "Mac" Phillipps is a man unafraid of taking risks.....and driven by the philosophy that there is always a better way



#### 1935

Mac innovates again but on the industrial front this time with the Philmac Flushometer, aim at commercial installations the Flushometer is a big hit with architects designing new commercial buildings. Utilising a new universal handle and the "Silent cistern" technology.



#### 1947

"Philmac develops one of the world's first float valves for agriculture"

Mac and his team have another breakthrough. A simple, but revolutionary, new ball-cam float valve. This alone results in production more than doubling.



"Philmac manufactures its first moulded plastic float valve"

Philmac manufactures the first plastic float valve, moulded from Acetyl with a shut off 1200 kPa and this float valve was one of the first to be approved for use with potable water.



#### "Philmac release its first precision engineered brass float valve"

The valve is ideal for both plumbing and agriculture.



The super high flow Servo TankFilling Valve is launched. The valve boasts flows of over 3300 L/min at 400 kPa and ideal for use in large tanks and fire systems.



#### 1991



"The inventive team at Philmac release the uniquely designed Stock Proof Trough Valve"

Responding to market feedback Philmac engineers develop the Stock Proof Trough Valve. Its compact design & underwater installation eliminated damage from large animals and is ideal for use in round troughs.



2002

"Responding to customer feedback Philmac deliver a new -Tough as nails - float valve"

The unique new **High Flow Float Valve is** launched and it is designed to stand up to the tough treatment large animals exert.



#### 2012

The redesigned Philmac float valve is released to the market the new design increases flow and shut off pressure and includes features to enable easy maintenance.



#### 2022

The Philmac OptiPHIL float valve is launched. The design features patent protected, soft closing design for reliable shut-off & preventing damaging water-hammer saving your pump and energy.









From: 3/4" to 1"

High performance, compact, float valve for large and medium troughs with high demand

**UNDER WATER** 



From: 3/4" to 1"

High performance, compact, float valve for large and medium troughs with high demand

ABOVE WATER



From: 1/2" to 3/4"

Compact plastic float valve that suits small to medium troughs and tanks



## Philmac VERSA

From: 3/4" to 1"

Versatile tapered BSP and long parallel thread float valves. Suited to a wide range of applications in troughs and tanks



From: 3/8" to 2"

Premium, robust brass float valve, suited to a wide range of applications



## Philmac MEGA

From: 1" to 2"

Tough, dependable brass float valve that delivers high flow rates, even at low pressures. Ideal for use with large animals



From: 3/4" to 1-1/4"

Stock-proof design to deliver high flow in low pressure resists damage from large animals



From: 1-1/4" to 2"

Super high flow float valve, ideal for the fast filling of large reservoirs and header tanks

# Philmac EASY

Inlet Thread Sizes

varying inlet sizes.

Available in ½" and ¾" to suit

Flow Rate -

\*Flow performance giving up to 115 L/min (3/4")

and 59 L/min (1/2").

## 1/283/4 FLOAT VALVE

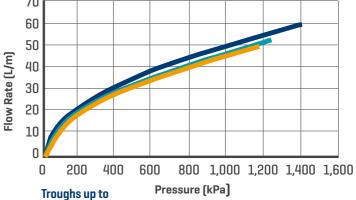
Compact plastic float valve that suits small to medium troughs and tanks



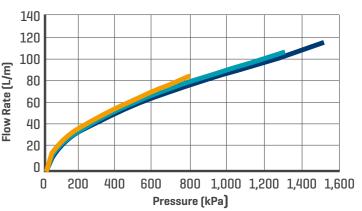
#### Easy Maintenance

The valves have been designed for easy disassembly, by simply removing the pivot pin, lever assembly, and body end cap which allow servicing in place. A full range of spare parts is available.

#### Philmac EasyPHIL Float Valve Performance Data\*



#### ½" Float Valve 250mm lever ½" Float Valve 200mm lever ½" Float Valve 125mm lever



%" Float Valve 250mm lever %" Float Valve 200mm lever %" Float Valve 125mm lever

#### Corrosion Resistant DZR Brass

Lever assembly and pivot pin made from high-quality, DZR brass (dezincification resistant) providing increased strength, corrosion resistance, and longevity.



Body

Independently tested static shut-off up to 1,500 kPa for 3/4" using the standard lever and recommended float

High-performance thermoplastic material, with excellent UV, impact,

corrosion, and chemical resistance

The parallel (fastening) thread with back nut makes this float valve ideally suited to poly and thin walled troughs and tanks.

**Long Parallel** 

Thread

#### ASNZ4020 & Watermark Approvals

Watermark and ASNZ 40420 approved valve, ensuring consistent quality of production and safety for use in drinking water (potable water) applications. [125mm lever valves are not Watermark approved]



Philmac Code	Body Material	Inlet Size	Thread Type	Lever Length	Recomment AS1910	ded Float Size Agricultural	Max. Shutoff* (kPa)	Max.Flow* (L/min)	Watermark Approved
90 3002 00	Acetyl	1/2" BSP	Long Parallel	250mm	4" (100mm)	4" (100mm)	1,388	59	Yes
90 3003 00	Acetyl	1/2" BSP	Long Parallel	200mm	4" (100mm)	4" (100mm)	1,223	56	Yes
90 3004 00	Acetyl	1/2" BSP	Long Parallel	125mm	-	4" (100mm)	1,177	55	No
90 3002 20	Acetyl	3/4" BSP	Long Parallel	250mm	4" (100mm)	4" (100mm)	1,508	114	Yes
90 3003 20	Acetyl	3/4" BSP	Long Parallel	200mm	4" (100mm)	4" (100mm)	1,310	106	Yes
90 3004 20	Acetyl	3/4" BSP	Long Parallel	125mm	_	4" (100mm)	810	82	No

<sup>\*</sup> Independently tested by University of South Australia (AFMG), NATA accredited laboratory



## 3/481" TAPERED THREAD FLOAT VALVE

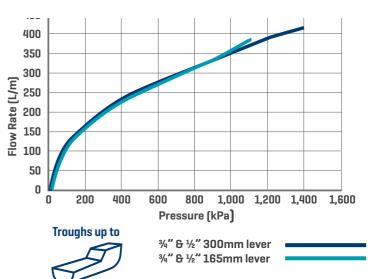
Versatile tapered BSP float valve. Suited to a wide range of applications in troughs and tanks

#### Standard BSP Thread

Float valve comes with 1" to 34" adaptor allowing the one float valve to cover the 2 inlet sizes. This float valve is ideally suited to either concrete or poly troughs and tanks with tapered inlets.



#### Philmac VersaPHIL Float Valve Performance Data\*





**Dedicated Cam** 

Wider, stronger, dedicated cam



to provide greater durability & resistance to damage



\*High Pressure Shut-Off

installation situations.

Independently tested static shut-off up to 1,400 kPa using the standard lever and recommended float, making this valve suitable for a wide range of

The valves have been designed for easy disassembly, by simply removing the pivot pin and lever assembly which allow servicing in place. A full range of spare parts is available.

#### **Corrosion Resistant DZR Brass**

Lever assembly and pivot pin made from highquality, DZR brass (dezincification resistant) providing increased strength, corrosion resistance, and longevity.



**Outlet Cap** -

The outlet cap has engineered, moulded flow directors to minimize the rosette effect, helping to reduce unnecessary splashing & save water.

\*High Flow Rates

Independently tested flow performance giving up to 426 L/min.

#### - Locking Nut

Each lever has a nut fitted to the end, locking the float in place and preventing it from coming undone. This gives you greater assurance that the float cannot come loose and precious water lost.

1500 L

8

**Dual Inlet** 

The VersaPHIL tapered BSP Thread float

means less valves need to be stocked.

valve comes standard with a ¾" BSP male inlet

and a 1" BSP male inlet. This means one valve

suits troughs with ¾" or 1" connections. This

Philmac Recommended Float Size Max. Shutoff\* Max.Flow\* (L/min) Body Inlet Lever **Thread** Code **Material** Size Length AS1910 **Agricultural** (kPa) Type 91 4703 20 3/4" & 1" BSP 1,400 426 300mm 6" (150mm) Acetyl Tapered 91 4703 21 3/4" & 1" BSP 6" (150mm) 1,100 390 Acetyl Tapered 165mm

<sup>\*</sup> Independently tested by University of South Australia (AFMG), NATA accredited laboratory

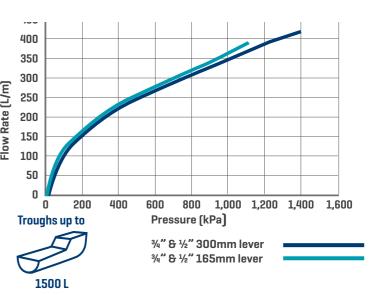


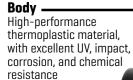
## 3/481" LONG PARALLEL THREAD FLOAT VALVE

Versatile long parallel BSP float valve. Suited to a wide range of applications in troughs and tanks

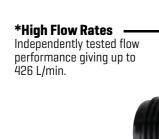


#### Philmac VersaPHIL Float Valve Performance Data\*









Inlet Thread Sizes -Available in ¾" and 1"

#### pivot pin made from high-quality, DZR brass (dezincification ) providing

**Outlet Cap** 

The outlet cap has engineered,

moulded flow directors to minimize the rosette effect, helping to reduce unnecessary splashing & save water

**Dedicated Cam** 

resistance to damage

Wider, stronger, dedicated cam

to provide greater durability &

increased strength, corrosion resistance, and longevity.

**Corrosion Resistant** 

Lever assembly and

**DZR Brass** 

Independently tested static shut-off up to1,400 kPa using the standard lever and recommended float, making this valve suitable for a wide range of installation situations.

\*High Pressure Shut-Off

Locking Nut -

Each lever has a nut fitted to the end, locking the float in place and preventing it from coming undone. This gives you greater assurance that the float come loose and precious water lost.

					_			
Philmac Code	Body Material	Inlet Size	Thread Type	Lever Length	Recommend AS1910	ed Float Size Agricultural	Max. Shutoff* (kPa)	Max.Flow* (L/min)
91 4203 00	Acetyl	3/4" BSP	Long Parallel	300mm	-	6" (150mm)	1,400	426
91 4201 00	Acetyl	3/4" BSP	Long Parallel	165mm	-	6" (150mm)	1,100	390
91 4253 00	Acetyl	1" BSP	Long Parallel	300mm	-	6" (150mm)	1,400	426
91 4251 00	Acetyl	1" BSP	Long Parallel	165mm	-	6" (150mm)	1,000	390

 $<sup>^{</sup>st}$  Independently tested by University of South Australia [AFMG], NATA accredited laboratory



sizes.

**Body** 

**Material** 

Acetyl

Acetyl

Acetyl

Acetyl

Acetyl

Acetyl

2" BSP

2" BSP

Long Parallel

Long Parallel

400mm

440mm

## 14" to 2" TAPERED THREAD FLOAT

Extreme flow float valve for fast filling and control of water into large header tanks and

2 x 6" [150mm]

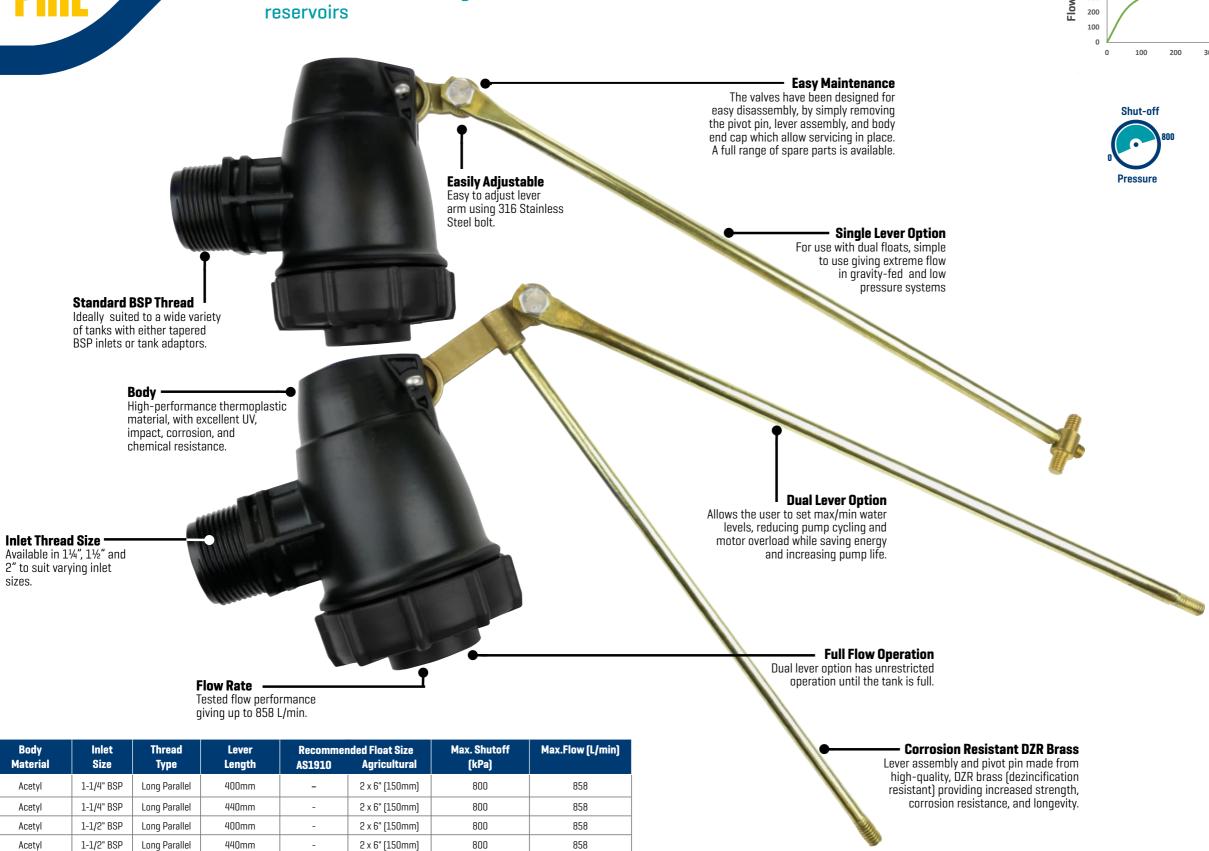
2 x 6" [150mm]

800

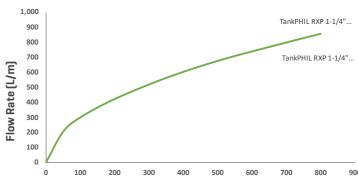
800

858

858



#### Philmac TankPHIL Float Valve Performance Data





Pressure (kPa)



12

**Philmac** 

Code

91 4704 00

91 4704 10

91 4705 00

91 4705 10

91 4706 00

91 4706 10



## 3/8 8 2" TAPERED/PARALLEL THREAD FLOAT VALVES

Premium, robust brass float valve, suited to a comprehensive of applications



**Easy Maintenance** 

disassembly, by simply removing the pivot pin and

The valves have been easy

lever assembly which allow

of spare parts is available.

\*High Pressure Shut-Off

Independently tested static shut-off up to 1,570

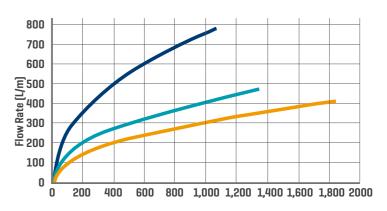
recommended float, making this valve suitable for a

kPa [3/4" valve) using the standard lever and

wide range of installation situations.

servicing in place. A full range

#### Philmac Ultra PHIL Float Valve Performance Data\*



#### Troughs up to Pressure (kPa) 2" Float Valve 11/2" Float Valve 11/4" Float Valve 800 700 600 500 400 300 200 100

Locking Nut

¾" and above size valve levers have a nut fitted to the end,

locking the float in place and

preventing it from coming

undone. This gives you

greater assurance that the float cannot come loose and precious water lost.

600 800 1,000 1,200 1,400 1,600 1.800 2000 1" Float Valve 3/4" Float Valve 1/2" Float Valve 3/8" Float Valve

#### **Inlet Thread Sizes**

Available in a comprehensive range of sizes from 3/8" to 2" (DN10 to DN50), meaning there is a size to suit your application.

#### Standard BSP and Long Parallel

Threads

Comes in both standard BSP and long parallel (fastening) threads with back-nut, making this valve ideally suited to a range of trough, tank, and reservoir installation types.

stainless steel for increased

#### \*High Flow Rates

Independently tested flow performance giving 280 L/min in the 1" and up to 800 L/min in the 2".

#### Stainless Steel Seat

The seat of the valve is made from high-quality 316 chemical and corrosion resistance and longer life.

**Corrosion Resistant DZR Brass** The valve body, lever assembly, and pivot pin are all made from high-quality, DZR brass (dezincification resistant) providing increased strength, corrosion resistance,



#### ASNZ4020 8 ·

ensuring consistent quality of production and safety

and longevity.



#### **Watermark Approvals**

Watermark and ASNZ 40420 approved valve, for use in drinking water (potable water) applications

d Float Size

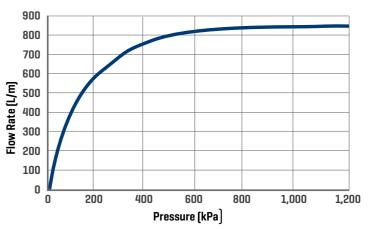
Inlet Size **Thread Type** Max. Shutoff\* Max.Flow\* Watermark Lever Approved AS1910 (kPa) (L/min) 90 3005 00 Brass 3/8" BSP Short Parallel 125mm 4" (100mm) 4" (100mm) 1,500 11 Yes 4" (100mm) 90 3007 00 Brass 1/2" BSP 200mm 4" (100mm) 1,200 63 Yes Tapered 90 3013 00 1/2" BSP Long Parallel 250mm 4" (100mm) 4" (100mm) 1.500 71 Brass Yes Long Parallel 90 3015 00 1/2" BSP 200mm 4" (100mm) 1.200 63 Brass 4" (100mm) Yes 1/2" BSP 63 90 3023 00 2NNmm 4" (100mm) 4" (100mm) 1,200 Yes Brass Long Parallel 90 3031 00 1/2" BSP Short Parallel 1.200 63 Brass 200mm 4" (100mm) 4" (100mm) Yes 90 3044 00 3/4" BSP 250mm 6" (150mm) 1,570 193 Brass Tapered 6" (150mm) Yes 90 3046 00 1" BSP 355mm 6" (150mm) 6" (150mm) 1,400 261 Yes Brass Tapered 420 90 3048 00 Brass 1-1/4" BSP Tapered 355mm 8" (200mm) 8" (200mm) 1,800 Yes 1,338 479 90 3049 00 Brass 1-1/2" BSP Tapered 425mm 8" (200mm) 8" (200mm) Yes 1,053 802 90 3050 00 2" BSP 9" (225mm) 10" (255mm) Cu

<sup>\*</sup> Independently tested by University of South Australia (AFMG), NATA accredited laboratory

### TAPERED THREAD Philmac FLOAT VALVE includes 3/4" and 1-1/4" adaptors The ultimate compact high flow float valve



#### Philmac OptiPHIL Float Valve Performance Data\*



### **ABOVE WATER**







Opti-Flo technology
Patent protected, Opti-Flo
technology, optimizes water flow
through the valve to help prevent blockages & improve performance in dirty water.

- High Vis Float

level from a distance.

High Vis orange float for fast easy identification of water

#### **UNDER WATER**

#### Full-Flow -

Full flow design, providing flows up to 847 L/min, and preventing pump short cycling, saving your pump and energy.

#### **Smooth-Flo Design** Optimizes water flow out

of the valve, reducing turbulence, minimizing float bounce, cutting water spray, and saving your pump.

**Soft-Close** 

Patent protected, soft closing design for reliable shut-off & preventing damaging water-hammer.

Product Number	Body Material	Inlet Size	Thread Type	Lever Length	Installation Position	Float Size	Max. Shutoff* (kPa)	Max.Flow* (L/min)
93 6001 10	Acetyl	1" BSP†	Tapered	n/a	Above Water	4" (100mm)	1,200	847
93 6001 20	Acetyl	1" BSP†	Tapered	n/a	Under Water	4" (100mm)	1,200	847

**Full-Flow** 

Full flow design,

providing flows up

to 847 L/min, and preventing pump short

cycling, saving your pump and energy.

<sup>†</sup> Supplied with 3/4" and 1-1/4" Adaptors \* Independently tested by University of South Australia (AFMG), NATA accredited laboratory



## 1"to 2" TAPERED THREAD FLOAT VALVE

Tough and dependable brass float valve that delivers high flow rates, even at low pressures. Ideal for use with large animals



The valves have been designed for easy disassembly, by

the valve. A full range of spare parts is available.

simply removing the R-Clips and Clevis Pins that hold the lever

assembly in place, providing access to the internal working of

**Built-In Water Level Adjustment** 

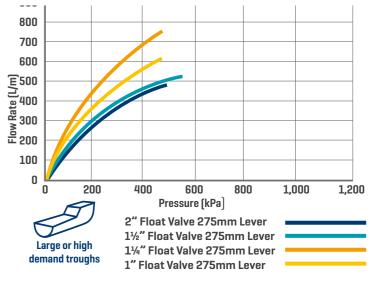
bending of the (reinforced) arm.

The valve allows for simple adjustment of the

water level by turning the bolt on the front

of the valve body, instead of the traditional

#### Philmac MegaPHIL Float Valve Performance Data\*



800 700 600 **E**500 를 400 300 E ₽ 200 100 200 400 600 1.000 800

> 2" Float Valve 275mm Lever 11/2" Float Valve 275mm Lever 1¼" Float Valve 275mm Lever 1" Float Valve 275mm Lever

**Corrosion Resistant DZR Brass** 

DZR brass (dezincification resistant) providing increased strength,

corrosion resistance,

and longevity.

The valve body, lever assembly, flapper, and

locking nut are constructed from high-quality,

Pressure (kPa)

1.200

#### Stainless Steel Pins and Clips

The clevis pins and R-Clips of the valve are made from high-quality 316 stainless steel for increased chemical and corrosion resistance and longer life.

\*High Flow ·

Particularly effective in low-pressure applications, with independently tested flow performance giving 727 L/min at 200 kPa with the 2" LP, but also equally effective in higher pressure systems with max flow recorded at 535 L/min at 635 kPa in the 2" HP.

**High Pressure Adaptor** 

 $1\frac{\pi}{2}$  and 2" valves come with a high-pressure adaptor which can be removed for low-pressure applications to significantly increase the flow, meaning one valve can cover a wide range of pressure applications, and ensuring the customer does not have to worry about the pressure of their system.

\*High Pressure Shut-Off Independently tested static shut-off up to 1,100 kPa (1" valve) and 635 kPa (2" valve) using the standard lever and recommended float, meaning that this valve will cover the maximum pressure tolerable in most rural pipe systems.

**Easy Maintenance** 

**Reinforced Cam** 

The cam has been reinforced easing resistance to stock-damage

and long-term performance and durability.

Each lever has a nut fitted to the end. This nut locks the float in place to prevent it from coming undone. This provides peace of mind that the float cannot come loose and precious water be lost.

Philmac Code	Body Material	Inlet Size	Thread Type	Lever Length	Recomme AS1910	nded Float Size Agricultural	Max. Shutoff* (kPa)	Max.Flow* (L/min
90 3223 00	Brass	1" BSP	Tapered	400mm	_	9" (225mm)	1,100	622
90 3223 10	Brass	1" BSP	Tapered	275mm	-	9" (225mm)	605	468
90 3224 00	Brass	1-1/4" BSP	Tapered	400mm	-	9" (225mm)	917	513
90 3224 10	Brass	1-1/4" BSP	Tapered	275mm	-	9" (225mm)	741	468
90 3225 20	Brass	1-1/2" BSP	Tapered	400mm	-	9" (225mm)	700	609
90 3225 30	Brass	1-1/2" BSP	Tapered	275mm	-	9" (225mm)	558	532
90 3226 20	Brass	2" BSP	Tapered	400mm	-	9" (225mm)	635	728
90 3226 30	Brass	2" BSP	Tapered	275mm	-	9" (225mm)	485	490

<sup>\*</sup> Independently tested by University of South Australia (AFMG), NATA accredited laboratory

# Philmac

## 3/481" FLOAT VALVE

Stock-proof designed to deliver high flow in low pressures and resist damage from



Anti-Fouling — Utilising a specially designed plastic float cord protector, the cord is prevented from wrapping around the valve body when the water level drops, ensuring reliable, trouble-free operation.

#### Corrosion Resistant DZR Brass Body -

The valve body is constructed from high-quality, DZR brass (dezincification resistant) providing increased strength, corrosion resistance, and longevity.

#### Inlet Thread Sizes

Available in a range of sizes from 3/4" to 1 1/4".

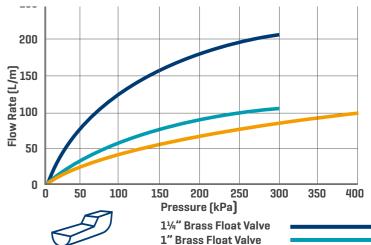
Independently tested flow performance giving 206 L/min at 300 kPa with the 1 ¼" brass valve, providing reliable water flow.

Product	Body	Inlet	Thread	Lever	Recomm	ended Float Size	Max. Shutoff (kPa)	Max.Flow* (L/min)
Number	Material	Size	Туре	Length	AS1910	Agricultural		
AQ100B	Brass	3/4" BSP	Tapered	n/a	-	Supplied with valve	400	100
AQ200B	Brass	1" BSP	Tapered	n/a	-	Supplied with valve	300	106
AQ300B	Brass	1-1/4" BSP	Tapered	n/a	-	Supplied with valve	300	206
AQ400P	Acetyl	3/4" BSP	Tapered	n/a	-	Supplied with valve	300	120
AQ500P	Acetyl	1" BSP	Tapered	n/a	-	Supplied with valve	300	127
AQ600P	Acetyl	1-1/4" BSP	Tapered	n/a	-	Supplied with valve	300	206

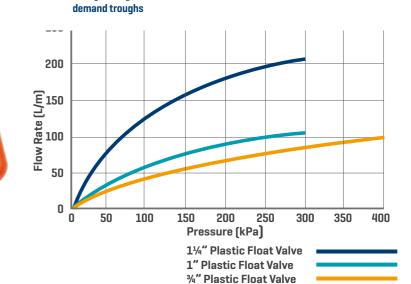
<sup>\*</sup> Independently tested by University of South Australia (AFMG), NATA accredited laboratory



#### Philmac StockPHIL Float Valve Performance Data\*



¾" Brass Float Valve



Large or high

#### Pressure Shut-Off

Static shut-off up to 300 kPa using the standard lever and recommended float, meaning that this is suited to lowpressure applications.

#### **Corrosion Resistant High-Performance** Thermoplastic Body

Body and plunger are manufactured from high-performance thermoplastic material, with excellent UV, impact, corrosion, and chemical resistance.

**Stainless Steel Pins and Clips** The clevis pins and R-Clips of the valve are made from high-quality 316 stainless steel for increased chemical and corrosion resistance and longer life.

\*Flow Rates Independently tested flow performance

giving 206 L/min at 300 kPa with the 1 1/4" plastic valve, providing reliable water flow.



#### Philmac offer a range of floats to suit your valve and application

#### **Hot Water Floats**





90 4894 10

PH.FV.BF100W

#### **Cold Water Floats**



90 4893 00 PH.FV.BF80



90 4894 00





PH.FV.BF150



90 4898 20
PH.FV.BF2000RG

90 4899 20 PH.FV.RF2250R0



90 4890 20 PH.FV.BF2400RG

Philmac Code	Float Description	Connection	Suits Valve Types	Additional Information
90 4893 10	3" Natural hot water	5/16"	3/8" UltraPHIL Brass float valves	Suitable to 1,000 kPa shut-off. Does not comply with AS1910*
90 4894 10	4" Natural hot water	5/16"	½" UltraPHIL brass & EasyPHIL plastic float valves	
90 4893 00	3" Black cold water	5/16"	3/8" UltraPHIL Brass float valves	OK up to 1,000 kPa shut-off. Does not comply with AS1910*
90 4894 00	4" Black cold water	5/16"	½" UltraPHIL brass & EasyPHIL plastic	
90 4895 00	5½" Black cold water	5/16"	VersaPHIL plastic float valves	Suitable for smaller chamber poly troughs. Re- duces shut-off pressure on standard lever to 1150 kPa and short lever to 950 kPa
90 4896 00	6" Black cold water	5/16"	%" and 1" UltraPHIL brass, VersaPHIL and TankPHIL plastic float valves	Can be used on 1-¼" UltraPHIL brass to achieve 1250 kPa shut-off but does not comply with AS1910
90 4898 00	8" Black cold water	3/8"	1-¼" and 1-½" UltraPHIL Brass float valves	
90 4898 20	8" Orange cold water	1/2"	1" and 1-¼" MegaPHIL High Flow Float Valves	Can be used with 1-½" and 2" MegaPHIL High Flow Float Valves but reduces the shut-off pressure
90 4899 20	9" Orange cold water	1/2"	All MegaPHIL High Flow Float Valves	Can be used with 2" Ultra- PHIL brass valve to achieve 1250 kPa shut-off but does not comply with AS1910
0 4890 20	9½" Orange Turbo cold water	1/2"	1-½" and 2" MegaPHIL High Flow Float Valves	Has 28% more volume than the 9" float and therefore will provide an increased shut-off pressure

#### Efficient water system design considerations

Matching the correct Philmac float valve to your available pressure, trough and herd size. While taking into account that larger pipes give more volume and reduce your system pressure at the pump will ensure your system works efficiently and lasts for generations.

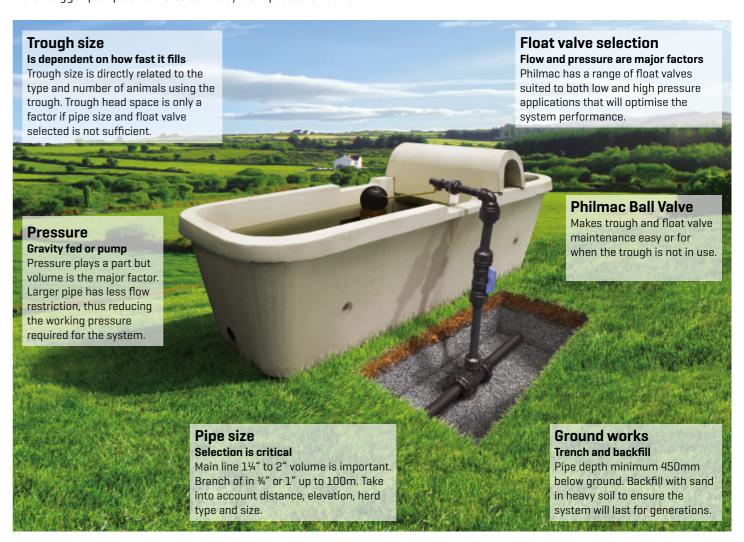
A good water supply on a farm is very important, currently in many instances, water supply is far from satisfactory.

From our years of experience working with farmers across the country we have found that, in most cases, the issue with poor water supply around the farm is due to small pipe size.

The most common pipe sizes used are 1/2" and 3/4" which restrict the water supply from the pump to the trough.

To overcome the problem of small pipe size some farmers install bigger pumps and increase the system pressure to the troughs. This has little effect as the flow restriction still exists due to the small-bore pipe. Pipe size is a lot more important than trough size.

We recommend that you should use a minimum 1" diameter pipe for short distances (under 200 meters) and small herd sizes. For herd sizes of 100 cows or more, we recommend sizes of 1¼" to 2" diameter pipe depending on distance.



#### Flow rate comparison at L/m at 300 kPa example

Pipe Size	3/4"	3/4"	% Difference	
Coils of pipe	1 coil (150m)	2 coils (300m)	1 coil vs 2 coils	
½" EasyPHIL	18.5	14.5	-22%	
¾" EasyPHIL	22.2	16	-28%	

Pipe Size	1½"	1½"	% Difference	
Coils of pipe	1 coil (150m)	2 coils (300m)	1 coil vs 2 coils	
½" EasyPHIL	27	26.8	-1%	
¾" EasyPHIL	41	39	-5%	



The connection you can trust.

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#### **Online Resources**

www.philmac.com.au www.youtube.com/user/PhilmacAustralia

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