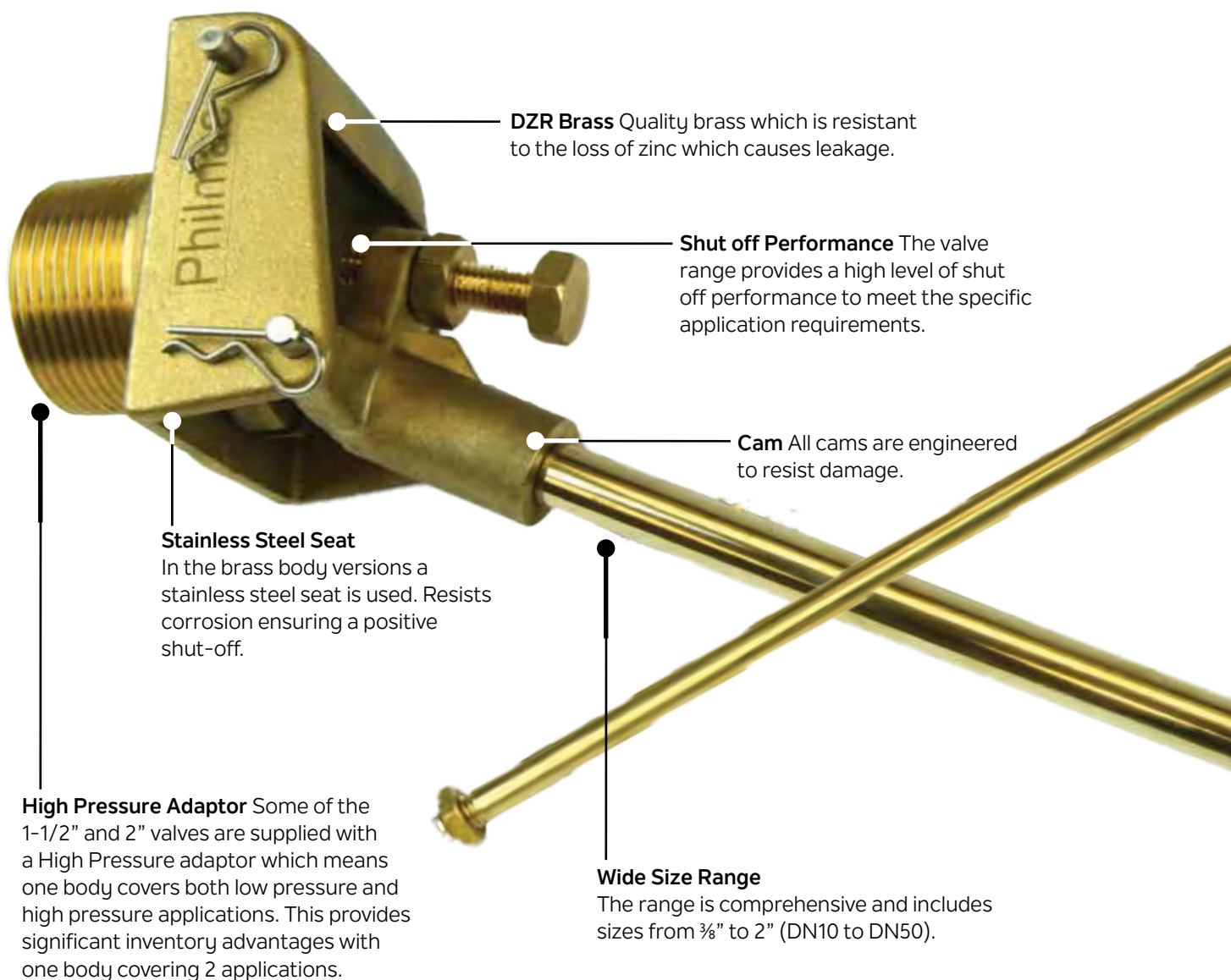


Trough & Tank Float Valves

Strength, Reliability and high performance

With proven designs made from high quality materials the Philmac range of float valves are assured to provide reliable service for many years. They are based on simple yet effective operating principles to ensure that a constant water level is maintained.

The diverse range means they are well suited to stock watering, plumbing, industrial and commercial applications. A number of valves are also approved to the Australian Standard 1910 and have Watermark approval.



Materials

Available in brass, stainless or plastic, all valves are made from superior materials to provide long term performance.

Easy Maintenance

The valves have been designed for easy disassembly by simply removing the pivot pin, and body cap (where fitted) to allow access to all parts.

High Pressure Shut-Off

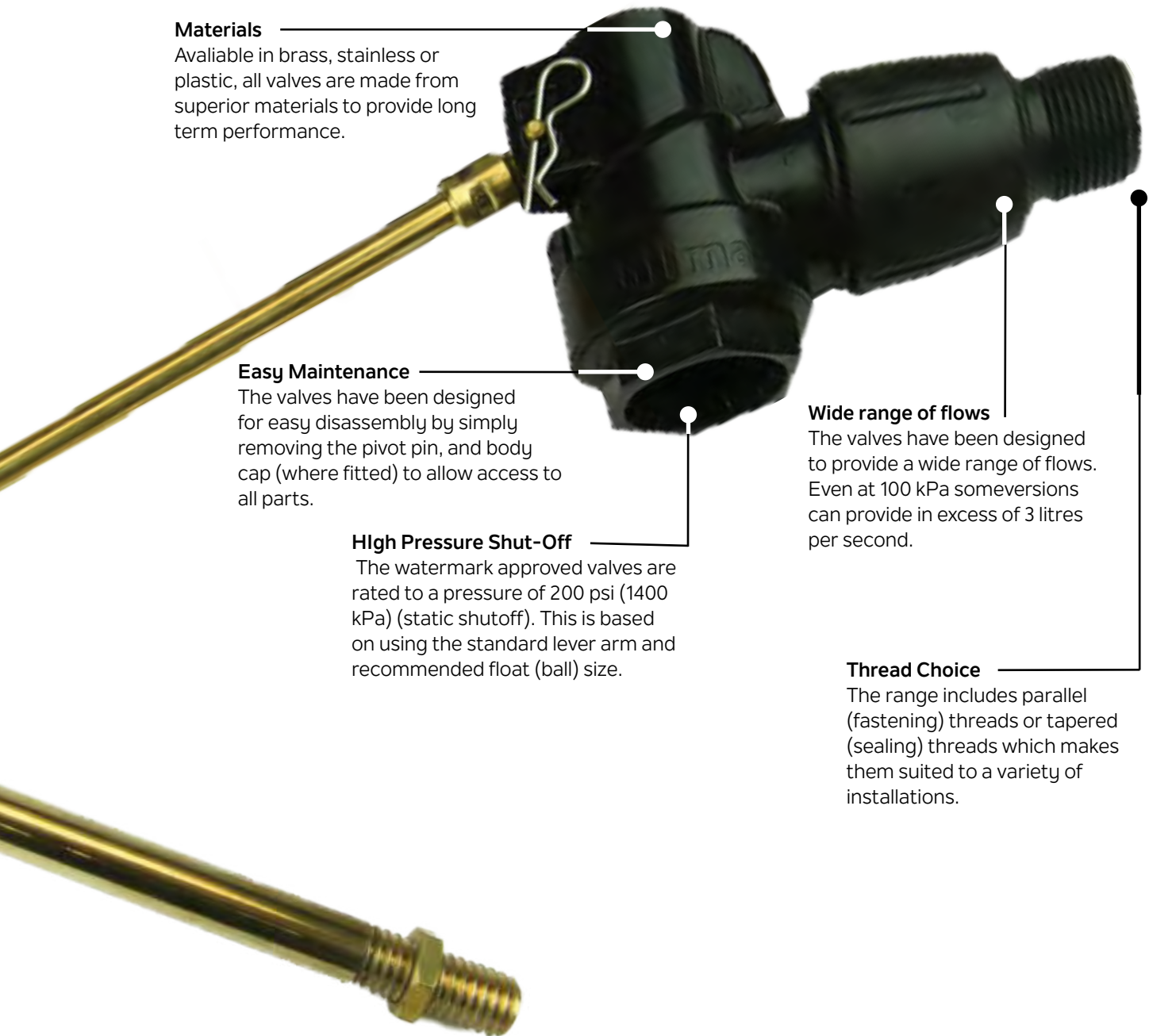
The watermark approved valves are rated to a pressure of 200 psi (1400 kPa) (static shutoff). This is based on using the standard lever arm and recommended float (ball) size.

Wide range of flows

The valves have been designed to provide a wide range of flows. Even at 100 kPa some versions can provide in excess of 3 litres per second.

Thread Choice

The range includes parallel (fastening) threads or tapered (sealing) threads which makes them suited to a variety of installations.



TROUGH VALVES AND BALLFLOATS

Plastic Trough Valves

RXP Code	Description
EasyPhil (available 1st April)	
90300200	EasyPhil 1/2" (15mm) FV Long Lever 250mm
90300300	EasyPhil 1/2" (15mm) FV Medium Lever 200mm
90300400	EasyPhil 1/2" (15mm) FV Short Lever 125mm
90300220	EasyPhil 3/4" (20mm) FV Long Lever 250mm
90300320	EasyPhil 3/4" (20mm) FV Medium Lever 200mm
90300420	EasyPhil 3/4" (20mm) FV Short Lever 125mm



VersaPhil (available 1st April)	
91470320	VersaPhil 3/4" & 1" (20/25mm) FV Long Lever 300mm
91470321	VersaPhil 3/4" & 1" (20/25mm) FV Short Lever 165mm
91470220	VersaPhil 3/4" (20mm) FV Long Lever 300mm Long PT
91470211	VersaPhil 3/4" (20mm) FV Short Lever 165mm Long PT
91470221	VersaPhil 3/4" (20mm) FV Short Lever 165mm Long PT
91470330	VersaPhil 1" (20mm) FV Long Lever 300mm Long PT
91470311	VersaPhil 1" (20mm) FV Short Lever 165mm Long PT
91470331	VersaPhil 1" (20mm) FV Short Lever 165mm Long PT



Parallel Thread

Acetal Full Flow Trough Valve	
RXPTV20L	20mm Long Thread Plastic Trough Valve
RXPTV25L	25mm Long Thread Plastic Trough Valve
RXPTV20LSA	20mm Long Thread Plastic Trough Valve - Short Arm
RXPTV25LSA	25mm Long Thread Plastic Trough Valve - Short Arm



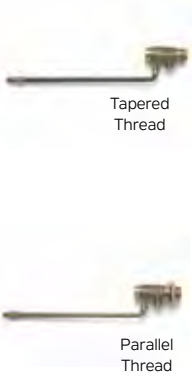
Plastic Reservoir Valve - Dual Float	
RXRESV32SL	32mm Single Lever Dual Float Reservoir Valve
RXRESV40SL	40mm Single Lever Dual Float Reservoir Valve
RXRESV50SL	50mm Single Lever Dual Float Reservoir Valve
RXRESV32DL	32mm Dual Lever Dual Float Reservoir Valve
RXRESV40DL	40mm Dual Lever Dual Float Reservoir Valve
RXRESV50DL	50mm Dual Lever Dual Float Reservoir Valve



TROUGH VALVES AND BALLFLOATS

Brass Trough Valves

RXP Code	Description
UltraPhil (available 1st April)	
90300500	UltraPhil 3/8" (10mm) FV Short Lever 125mm Short PT
90300700	UltraPhil 1/2" (20mm) FV Long Lever 200mm
90301300	UltraPhil 1/2" (20mm) FV Long Lever 250mm Long PT
90301500	UltraPhil 1/2" (20mm) FV Long Lever 200mm Long PT
90302300	UltraPhil 1/2" (20mm) FV Long Lever 200mm Long PT A
90303100	UltraPhil 1/2" (20mm) FV Long Lever 200mm Short PT
90304400	UltraPhil 3/4" (20mm) FV Long Lever 250mm
90304600	UltraPhil 1" (25mm) FV Long Lever 355mm
90304800	UltraPhil 1-1/4" (32mm) FV Long Lever 355mm
90304900	UltraPhil 1-1/2" (40mm) FV Long Lever 425mm
90305000	UltraPhil 2" (50mm) FV Long Lever 455mm
MegaPhil (available 1st April)	
90322300	MegaPhil 1" (25mm) FV Long Lever 400mm
90322310	MegaPhil 1" (25mm) FV Short Lever 275mm
90322400	MegaPhil 1-1/4" (32mm) FV Long Lever 400mm
90322410	MegaPhil 1-1/4" (32mm) FV Short Lever 275mm
90322520	MegaPhil 1-1/2" (40mm) FV Long Lever 400mm HP/LP
90322530	MegaPhil 1-1/2" (40mm) FV Short Lever 275mm HP/LP
90322620	MegaPhil 2" (50mm) FV Long Lever 400mm HP/LP
90322630	MegaPhil 2" (50mm) FV Short Lever 275mm HP/LP
Brass High Pressure / Brass Low Pressure Trough Valve	
STV15SS	15mm Brass High Pressure Valve - Stainless Seat
STV20SS	20mm Brass High Pressure Valve - Stainless Seat
STV15L	15mm Brass Low Pressure Valve - Brass Seat
STV15SSL	15mm Brass Low Pressure Valve - Stainless Seat
STV20SSL	20mm Brass Low Pressure Valve - Stainless Seat
Brass Full Flow Trough Valve	
BTV69.20	20mm Full Flow Brass Trough Valve
BTV69.25	25mm Full Flow Brass Trough Valve
Brass Hi/Lo Pressure Valve	
BTV220.15SS	15mm Brass Hi/Lo Pressure Valve S/S Seat
BTV220.20SS	20mm Brass Hi/Lo Pressure Valve S/S Seat



TROUGH VALVES AND BALLFLOATS

TROUGH VALVES AND BALLFLOATS

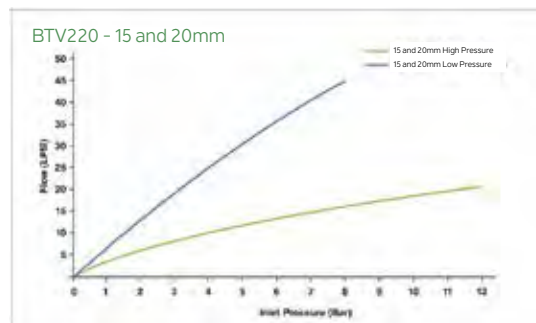
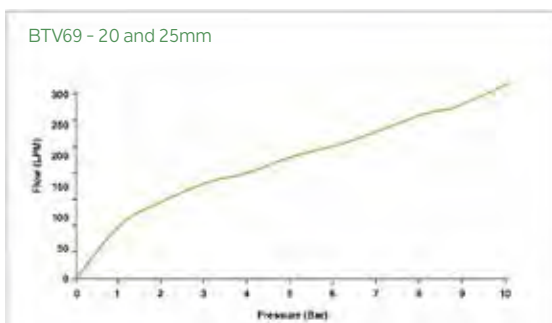
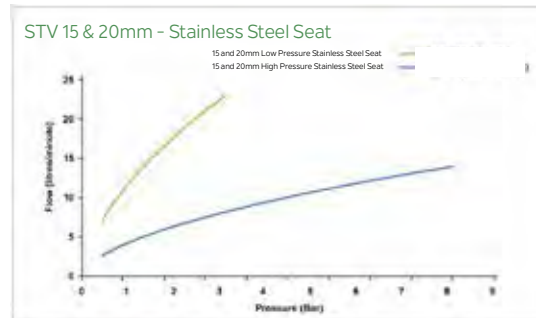
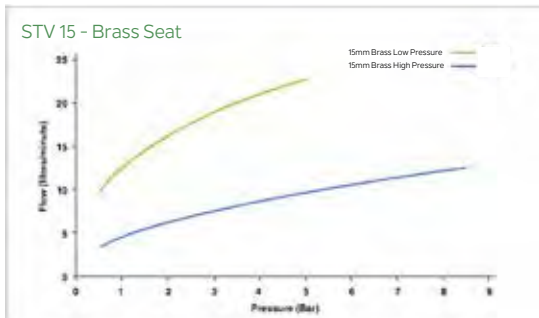
Spare Parts

RXP Code	Description
Spare Parts for STV, BTV69 and BTV220 series	
TVP.SSL	Long Lever to suit High and Low Trough Valves (STV Series)
TVP.L69	Lever to suit Fullflow (BTV Series)
TVP.ECW	Fullflow Endcap Washer (BTV69 Series)
TVP.POR	Fullflow Plunger with O ring (BTV69 series)
TVP.W220	Seat Washer for High and Low Pressure Valves (STV Series)
TVP.PB	Brass Plunger for High and Low Pressure (STV Series)
TVP.EC	Fullflow End Cap (BTV69 Series)
Spare Parts for RXPTV (while stocks last)	
RXPTV.ECW	Trough Valve Rubber Washer for End Cap
RXPTV.RWL20	20mm Rubber Washer for Long Thread 20mm PTV
RXPTV.RWL25	25mm Rubber Washer for Long Thread 25mm PTV
RXPTV.SP	Split Pin T304 4x16mm
RXPTV.OR	Trough Valve O Ring for Plunger
RXPTV.P	Trough Valve Plunger and O ring
RXPTV.EC	Trough Valve End Cap with Washer

TROUGH VALVES AND BALLFLOATS

Ball Floats and Nipples

Ball Floats and Nipple	
90489310	Float Plastic 3" (80mm) 5/16" Thread HW WHT
90489410	Float Plastic 4" (100mm) 5/16" Thread HW WHT
90489300	Float Plastic 3" (80mm) 5/16" Thread CW BLK
90489400	Float Plastic 4" (100mm) 5/16" Thread CW BLK
90489500	Float Plastic 5-1/2" (140mm) 5/16" Thread CW BLK
90489600	Float Plastic 6" (150mm) 5/16" Thread CW BLK
90489800	Float Plastic 8" (200mm) 5/16" Thread CW BLK
90489820	Float Plastic 8" (200mm) 5/16" Thread CW ORG
90489920	Float Plastic 9" (225mm) 5/16" Thread CW ORG
90489020	Float Plastic 9-1/2" (240mm) 5/16" Thread CW TURBO
<hr/>	
RXBF115	115mm Black Ball Float
RXBF115/0	115mm Orange Ball Float
RXBF150	150mm Black Ball Float
RXBF150/0	150mm Orange Ball Float
<hr/>	
TV.CN	Cord and Nipple
RXRESV-BFA	Reservoir Twin ball Float adaptor



TROUGH VALVES AND BALLFLOATS

TROUGH VALVES AND BALLFLOATS

Technical Data

Lateral Dimensions and Pressure Ratings

Product Number	Body Material	Inlet Size	Thread Type ¹	Lever Length	Lever Thread	Recommended Float Size ²	
						AS1910 ³	Agricultural ⁴
90300500	Brass	3/8" BSP	Short parallel (15 mm)	125 mm	5/16" BSW	4" (100)	4" (100)
90300700	Brass	1/2" BSP	Tapered	200 mm	5/16" BSW	4" (100)	4"(100)
90301300	Brass	1/2" BSP	Long parallel (38 mm)	250 mm	5/16" BSW	4" (100)	4"(100)
90301500	Brass	1/2" BSP	Long parallel (38 mm)	200 mm	5/16" BSW	4" (100)	4"(100)
90302300	Brass	1/2" BSP ⁵	Long parallel (38 mm)	200 mm	5/16" BSW	4" (100)	4"(100)
90303100	Brass	1/2" BSP	Short parallel (25 mm)	200 mm	5/16" BSW	4" (100)	4"(100)
90304400	Brass	3/4" BSP	Tapered	250 mm	5/16" BSW	6" (150)	6" (150)
90304600	Brass	1" BSP	Tapered	355 mm	5/16" BSW	6" (150)	6" (150)
90304800	Brass	1-1/4" BSP	Tapered	355 mm	3/8" BSW	8" (200)	8" (200)
90304900	Brass	1-1/2" BSP	Tapered	425 mm	3/8" BSW	8" (200)	8" (200)
90305000	Brass	2"	Tapered	455 mm	1/2" BSW	10" (255) ⁶ CU	9" (225)

Lateral Dimensions and Pressure Ratings

Product Number	Inlet Size	Thread Type ¹	Lever Length	Lever Thread	Recommended Float Size ²
91470320	3/4 & 1" BSP	Tapered	300 mm	5/16" BSW	6" (150)
91470321	3/4 & 1" BSP	Tapered	165 mm	5/16" BSW	6" (150)
91470201	3/4" BSP	Long parallel	300 mm	5/16" BSW	6" (150)
91470211	3/4" BSP	Long parallel	170 mm	5/16" BSW	6" (150)
91470301	1" BSP	Long parallel	300 mm	5/16" BSW	6" (150)
91470311	1" BSP	Long parallel	170 mm	5/16" BSW	6" (150)
91470400	1-1/4" BSP	Tapered	400 mm	5/16" BSW	6" (150) x 2
91470410	1-1/4" BSP	Tapered	440 mm	5/16" BSW	6" (150) x 2
91152700	1/2" BSP	Short parallel	355 mm	5/16" BSW	4" (100)

Lateral Dimensions and Pressure Ratings

Product Number	Inlet Size	Thread Type ¹	Lever Length	Lever Thread	Recommended Float Size ²	
					AS1910 ³	Agricultural ⁴
90300200	1/2" BSP	Long parallel	250 mm	5/16" BSW	4" (100)	4" (100)
90300300	1/2" BSP	Long parallel	200 mm	5/16" BSW	4" (100)	4"(100)
90300400	1/2" BSP	Long parallel	125 mm	5/16" BSW	-	4"(100)

- All parallel threads have a body back nut fitted except the 90300500 (3/8").
- Recommended floats are plastic unless designated otherwise. CU = copper. SS = stainless steel
- To comply with AS1910 valves the recommended float size provides a shut-off pressure of 1400 kPa
- For agricultural purposes the recommended float size achieves at least a shut-off pressure of 1250 kPa
- Includes a plastic stem sleeve to allow fitment to a 3/4" hole
- Uses copper float 90162300

TROUGH VALVES AND BALLFLOATS