# TROUGH VALVES AND BALLFLOATS

## Acetal Float Valves

| RXP Code | Description | Philmac Code |
|---|---|---|
| | **EasyPhil - Compact Float Valve** | |
| PH.EASY.FV15L | Easy 15mm Acetal Float Valve | 90300200 |
| PH.EASY.FV15LMA | Easy 15mm Acetal Float Valve Medium Arm | 90300300 |
| PH.EASY.FV15LSA | Easy 15mm Acetal Float Valve Short Arm | 90300400 |
| PH.EASY.FV20L | Easy 20mm Acetal Float Valve | 90300220 |
| PH.EASY.FV20LMA | Easy 20mm Acetal Float Valve Medium Arm | 90300320 |
| PH.EASY.FV20LSA | Easy 20mm Acetal Float Valve Short | 90300420 |



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| | **VersaPhil - Full Flow Acetal Float Valve** | |
| PH.VERSA.FV2520 | Versa 20/25mm Acetal FV c/w Adaptor | 91470320 |
| PH.VERSA.FV2520SA | Versa 20/25mm Acetal FV Short Arm c/w Adaptor | 91470321 |
| PH.VERSA.FV20L | Versa 20mm Acetal FV Long Thread | 91470220 |
| PH.VERSA.FV20LSA | Versa 20mm Acetal FV Long Thread Short Arm | 91470221 |
| PH.VERSA.FV25L | Versa 25mm Acetal FV Long Thread | 91470330 |
| PH.VERSA.FV25LSA | Versa 25mm Acetal FV Long Thread Short Arm | 91470331 |





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| | **VersaRX - Full Flow Acetal Trough Valve** | |
| PH.VERSARX.FV25L | VersaRX 25mm Acetal FV Long Thread | 91470301 |
| PH.VERSARX.FV25LSA | VersaRX 25mm Acetal FV Long Thread Short Arm | 91470311 |



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| | **Acetal Reservoir Valve - Dual Float** | |
| PH.TANK.FV32SL | Tank 32mm RESV Single Arm | 91470400 |
| PH.TANK.FV40SL | Tank 40mm RESV Single Arm | 91470500 |
| PH.TANK.FV50SL | Tank 50mm RESV Single Arm | 91470600 |
| | | |
| PH.TANK.FV32DL | Tank 32mm RESV Dual Arm | 91470410 |
| PH.TANK.FV40DL | Tank 40mm RESV Dual Arm | 91470510 |
| PH.TANK.FV50DL | Tank 50mm RESV Dual Arm | 91470610 |





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| | **OptiPhil - Diaphragm Valve** | |
| PH.OPTI.FV25.AW | 20/25/32 Philmac Above Water Diaphragm Valve | |
| PH.OPTI.FV25.BW | 20/25/32 Philmac Below Water Diaphragm Valve | |



NB: Long Threads are BSP Parallel

# TROUGH VALVES AND BALLFLOATS

## Brass Trough Valves

| RXP Code | Description | Philmac Code |
|---|---|---|
| | **UltraPhil - Brass Float Valve** | |
| PH.ULTRA. FV10SPTSA | Ultra 10mm Brass Short Arm Short PT Float Valve | 90300500 |
| PH.ULTRA. FV15SPTMA | Ultra 15mm Brass Med Arm Short PT Float Valve | 90303100 |
| PH.ULTRA.FV15L | Ultra 15mm Brass Long Thread Float Valve | 90301300 |
| PH.ULTRA. FV15LMA | Ultra 15mm Brass Long Thread Med Arm Float Valve | 90301500 |
| PH.ULTRA. FV15MA | Ultra 15mm Brass Medium Arm Float Valve | 90300700 |
| PH.ULTRA.FV20 | Ultra 20mm Brass Float Valve | 90304400 |
| PH.ULTRA.FV25 | Ultra 25mm Brass Float Valve | 90304600 |
| PH.ULTRA.FV32 | Ultra 32mm Brass Float Valve* 3/8" Arm Thread | 90304800 |
| PH.ULTRA.FV40 | Ultra 40mm Brass Float Valve* 3/8" Arm Thread | 90304900 |
| PH.ULTRA.FV50 | Ultra 50mm Brass Float Valve* 1/2" Arm Thread | 90305000 |







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| | **MegaPhil - Brass Hi-Flo - 1/2" BSW Arm Thread** | |
| PH.MEGA.FV25 | Mega 25mm Brass Float Valve Hi-Flo | 90322300 |
| PH.MEGA.FV25SA | Mega 25mm Brass Short Arm Float Valve Hi-Flo | 90322310 |
| PH.MEGA.FV32 | Mega 32mm Brass Float Valve Hi-Flo | 90322400 |
| PH.MEGA.FV32SA | Mega 32mm Brass Short Arm Float Valve Hi-Flo | 90322410 |
| PH.MEGA.FV40 | Mega 40mm Brass Float Valve Hi-Flo LP/VLP | 90322520* |
| PH.MEGA.FV40SA | Mega 40mm Brass Short ArmFloat Valve Hi-Flo LP/VLP | 90322530* |
| PH.MEGA.FV50 | Mega 50mm Brass Float Valve Hi-Flo LP/VLP | 90322620* |
| PH.MEGA.FV50SA | Mega 50mm Brass Short ArmFloat Valve Hi-Flo LP/VLP | 90322630* |



* Requires TURBO 9" Ball Float

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| | **Brass High Pressure / Brass Low Pressure Trough Valve** |
| STV15SS | 15mm Brass High Pressure Valve - Stainless Seat |
| STV20SS | 20mm Brass High Pressure Valve - Stainless Seat |
| STV15SSL | 15mm Brass Low Pressure Valve - Stainless Seat |
| STV20SSL | 20mm Brass Low Pressure Valve - Stainless Seat |



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| | **Brass Full Flow Trough Valve** |
| BTV69.20 | 20mm Full Flow Brass Trough Valve |
| BTV69.25 | 25mm Full Flow Brass Trough Valve |



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| | **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

## 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) |

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| | 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.P | Trough Valve Plunger and O ring |
| RXPTV.EC | Trough Valve End Cap with Washer |

# TROUGH VALVES AND BALLFLOATS

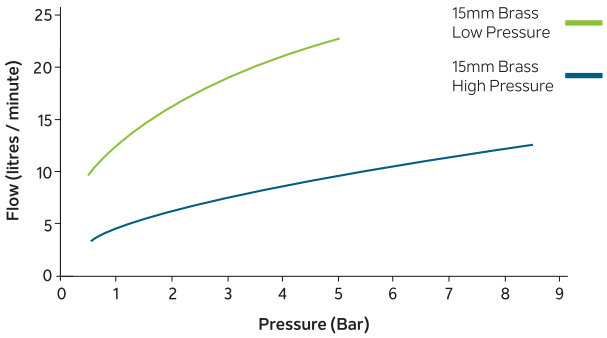
## Ball Floats and Nipples

| RXP Code | Description | Philmac Code |
|---|---|---|
| | Ball Floats and Nipple | |
| PH.FV.BF80 | Float Plastic 80mm Black | 90489300 |
| PH.FV.BF100 | Float Plastic 100mm Black | 90489400 |
| PH.FV.BF140 | Float Plastic 140mm Black | 90489500 |
| PH.FV.BF150 | Float Plastic 150mm Black | 90489600 |
| PH.FV.BF200 | Float Plastic 200mm x (3/8" Thread) Black | 90489800 |
| PH.FV.BF200ORG | Float Plastic 200mm x (1/2" Thread) Orange | 90489820 |
| PH.FV.BF225ORG | Float Plastic 225mm x (1/2" Thread) Orange | 90489920 |
| PH.FV.BF240 | Float Plastic 240mm x (1/2" Thread) TURBO | 90489020 |
| RXBF115 | 115mm Black Ball Float | |
| RXBF115/0 | 115mm Orange Ball Float | |
| RXBF150 | 150mm Black Ball Float | |
| RXBF150/0 | 150mm Orange Ball Float | |
| TV.CN | Cord and Nipple | |

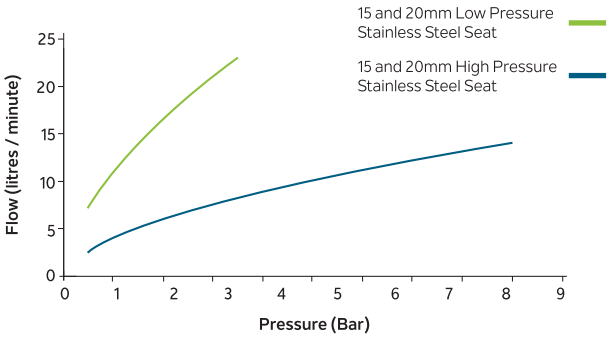


All threads 5/16" BSW unless noted.

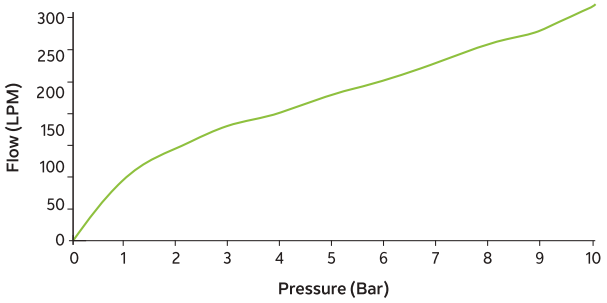
### STV 15 - Brass Seat



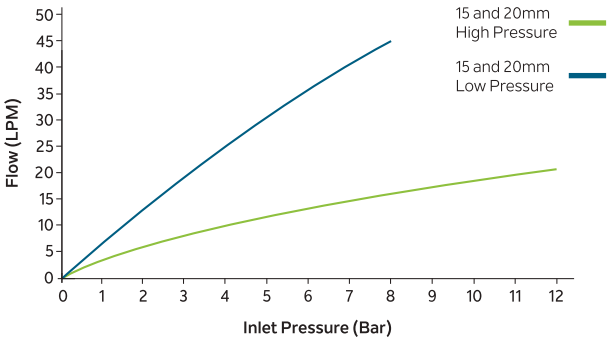

### STV 15 & 20mm - Stainless Steel Seat




### BTV69 - 20 and 25mm




### BTV69 - 20 and 25mm



# TROUGH VALVES AND BALLFLOATS

## Technical Data

### UltraPHIL Brass Float Valve

| Product Code | Inlet Size | Thread Type[1] | Arm Length | Arm Thread | Recommended Float Size[2] | |
|---|---|---|---|---|---|---|
| | | | | | AS1910[3] | Agricultural[4] |
| PH.ULTRA.FV10SPTSA | ⅜" BSP | Short parallel (15 mm) | 125 mm | 5/16" BSW | 4" (100) | 4" (100) |
| PH.ULTRA.FV15MA | ½" BSP | Tapered | 200 mm | 5/16" BSW | 4" (100) | 4" (100) |
| PH.ULTRA.FV15L | ½" BSP | Long parallel (38 mm) | 250 mm | 5/16" BSW | 4" (100) | 4" (100) |
| PH.ULTRA.FV15LMA | ½" BSP | Long parallel (38 mm) | 200 mm | 5/16" BSW | 4" (100) | 4" (100) |
| PH.ULTRA.FV15LMA.ADAPT | ½" BSP | Long parallel (38 mm) | 200 mm | 5/16" BSW | 4" (100) | 4" (100) |
| PH.ULTRA.FV15SPTMA | ½" BSP | Short parallel (25 mm) | 200 mm | 5/16" BSW | 4" (100) | 4" (100) |
| PH.ULTRA.FV20 | ¾" BSP | Tapered | 250 mm | 5/16" BSW | 6" (150) | 6" (150) |
| PH.ULTRA.FV25 | 1" BSP | Tapered | 355 mm | 5/16" BSW | 6" (150) | 6" (150) |
| PH.ULTRA.FV32 | 1-¼ " BSP | Tapered | 355 mm | 3/8" BSW | 8" (200) | 8" (200) |
| PH.ULTRA.FV40 | 1-½" BSP | Tapered | 425 mm | 3/8" BSW | 8" (200) | 8" (200) |
| PH.ULTRA.FV50 | 2" | Tapered | 455 mm | 1/2" BSW | 10" (255) CU | 9" (225) |

### VersaPHIL Acetal Float Valves

| Product Code | Inlet Size | Thread Type[1] | Arm Length | Arm Thread | Recommended Float Size[2] |
|---|---|---|---|---|---|
| PH.VERSA.FV2520 | 1" & ¾" BSP | Tapered & Tapered | 300 mm | 5/16" BSW | 6" (150) |
| PH.VERSA.FV2520SA | 1" & ¾" BSP | Tapered & Tapered | 165 mm | 5/16" BSW | 6" (150) |
| PH.VERSA.FV20L | 1" & ¾" BSP | Tapered & Long | 300 mm | 5/16" BSW | 6" (150) |
| PH.VERSA.FV20LSA | 1" & ¾" BSP | Tapered & Long | 165 mm | 5/16" BSW | 6" (150) |
| PH.VERSA.FV25L | 1"& 1"BSP | Tapered & Long | 300 mm | 5/16" BSW | 6" (150) |
| PH.VERSA.FV25LSA | 1"& 1"BSP | Tapered & Long | 165 mm | 5/16" BSW | 6" (150) |

### VersaRX Acetal Float Valves

| Product Code | Inlet Size | Thread Type[1] | Arm Length | Arm Thread | Recommended Float Size[2] |
|---|---|---|---|---|---|
| PH.VERSARX.FV25L | 1" BSP | Long parallel | 300 mm | 5/16" BSW | 6" (150) |
| PH.VERSARX.FV25LSA | 1" BSP | Long parallel | 170 mm | 5/16" BSW | 6" (150) |

### EasyPHIL Acetal Float Valves

| Product Code | Inlet Size | Thread Type[1] | Arm Length | Arm Thread | Recommended Float Size[2] | |
|---|---|---|---|---|---|---|
| | | | | | AS1910[3] | Agricultural[4] |
| PH.EASY.FV15L | ½" BSP | Long parallel | 250 mm | 5/16" BSW | 4" (100) | 4" (100) |
| PH.EASY.FV15LMA | ½" BSP | Long parallel | 200 mm | 5/16" BSW | 4" (100) | 4" (100) |
| PH.EASY.FV15LSA | ½" BSP | Long parallel | 125 mm | 5/16" BSW | - | 4" (100) |
| PH.EASY.FV20L | ¾" BSP | Long parallel | 250 mm | 5/16" BSW | 4" (100) | 4" (100) |
| PH.EASY.FV20LMA | ¾" BSP | Long parallel | 200 mm | 5/16" BSW | 4" (100) | 4" (100) |
| PH.EASY.FV20LSA | ¾" BSP | Long parallel | 125 mm | 5/16" BSW | - | 4" (100) |

1. All parallel threads have a body back nut fitted except the PH.ULTRA.FV10SPTSA (3/8").
2. Recommended floats are plastic unless designated otherwise. CU = copper.
3. To comply with AS1910 valves the recommended float size provides a shut-off pressure of 1400 kPa
4. For agricultural purposes the recommended float size achieves at least a shut-off pressure of 1250 kPa