

Series 200 Float Valves

Strength, Reliability and high performance

The Philmac Series 200 (high flow float) valve is the perfect valve for stock watering

A tough body combined with a new cam and lever arrangement provides a robust valve which can withstand the rigorous treatment it will receive from livestock over many years.

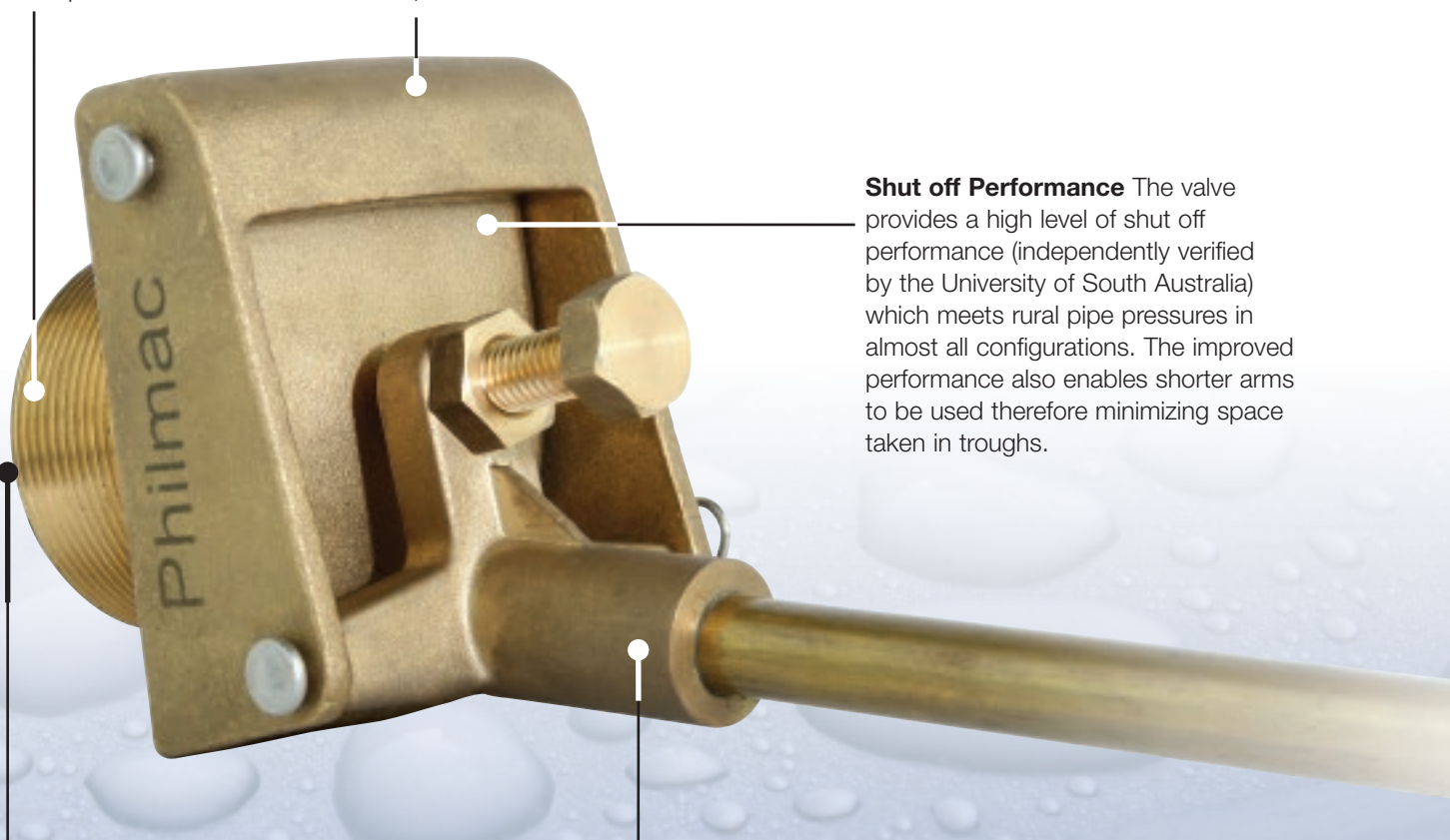
This strength and long life is coupled with a high level of performance both in terms of shut off pressure and also flow. Farmers can be confident that

Philmac high flow float valves are up to the challenge.

High Flow The valve has been designed to provide a high flow rate. Even at 100kPa the valves provide a flow rate in excess of 3 litres per second.

Materials Superior materials are used to provide long term performance.

Shut off Performance The valve provides a high level of shut off performance (independently verified by the University of South Australia) which meets rural pipe pressures in almost all configurations. The improved performance also enables shorter arms to be used therefore minimizing space taken in troughs.



High Pressure Adaptor 1-1/2" and 2" valves are supplied with a High Pressure adaptor which means one body covers both low pressure and high pressure applications. This provides significant inventory advantages with one body covering 2 applications. At the same time it ensures that the end user does not have to worry about the pressure of his/her system because he/she can be confident that the valve will meet the application requirements.

Strengthened Cam New cam arrangement brings a massive improvement to the strength of the arm. Under testing arm could not be failed. Provides complete confidence in long term performance of valve.



The connection you can trust.

Shut off Pressures

| Part No | Description | kPa | psi |
|----------|------------------------|------|-----|
| 90322300 | 1" 400mm Lever | 1035 | 150 |
| 90322310 | 1" 275mm Lever | 621 | 90 |
| 90322400 | 1-1/4" 400mm Lever | 1035 | 150 |
| 90322410 | 1-1/4" 275mm Lever | 621 | 90 |
| 90322520 | 1-1/2" 400mm Lever HP | 795 | 115 |
| 90322520 | 1-1/2" 400mm Lever LP | 200 | 29 |
| 90322530 | 1-1/2" 275mm Lever HP | 690 | 100 |
| 90322530 | 1-1/2" 275mm Lever LP | 152 | 22 |
| | 1-1/2" 200mm Lever HP* | 517 | 75 |
| 90322620 | 2" 400mm Lever HP | 621 | 90 |
| 90322620 | 2" 400mm Lever LP | 138 | 20 |
| 90322630 | 2" 275mm Lever HP | 483 | 70 |
| 90322630 | 2" 275mm Lever LP | 124 | 18 |
| | 2" 200mm Lever HP* | 414 | 60 |

Based on using a 9" Philmac Float

*Not yet available

Flow Rates

| 1" and 1 1/4" | |
|---------------|------------|
| Pressure | Flow (L/s) |
| 50 kPa | 2.1 |
| 100 kPa | 3.2 |
| 200 kPa | 4.4 |
| 400 kPa | 6.2 |
| 800 kPa | 7.7 |

| 1 1/2" LP | |
|-----------|------------|
| Pressure | Flow (L/s) |
| 50 kPa | 3.2 |
| 75 kPa | 4.7 |
| 100 kPa | 5.6 |
| 150 kPa | 7.2 |
| 200 kPa | 8.7 |

| 1 1/2" HP | |
|-----------|------------|
| Pressure | Flow (L/s) |
| 50 kPa | 1.6 |
| 100 kPa | 2.2 |
| 200 kPa | 3.3 |
| 400 kPa | 4.8 |
| 750 kPa | 6.4 |

| 2" LP | |
|----------|------------|
| Pressure | Flow (L/s) |
| 50 kPa | 5 |
| 75 kPa | 6.3 |
| 100 kPa | 7.4 |
| 120 kPa | 8.3 |
| 140 kPa | 9 |

| 2" HP | |
|----------|------------|
| Pressure | Flow (L/s) |
| 50 kPa | 2.3 |
| 100 kPa | 3.2 |
| 200 kPa | 4.4 |
| 400 kPa | 6.6 |
| 600 kPa | 8.2 |

Based on shut off and dynamic flow rate measurements carried out by the University of South Australia



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