

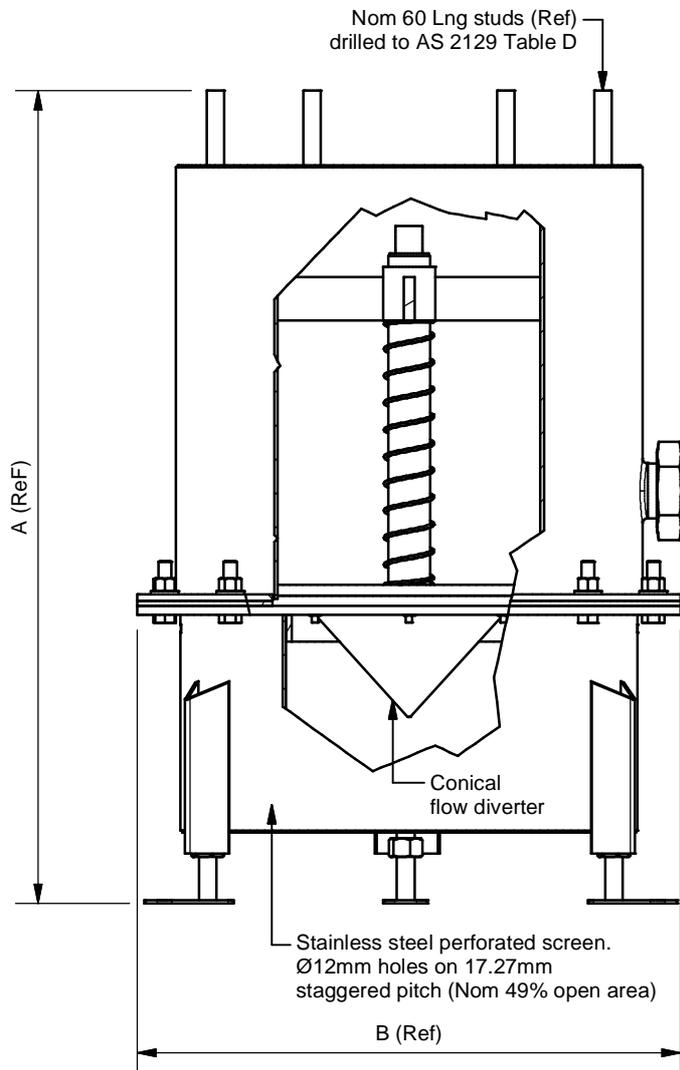
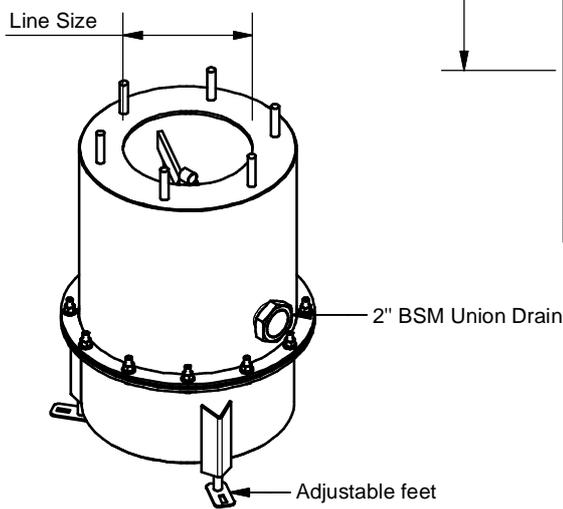
Details subject to change without notice

PRODUCT DESCRIPTION

This product is designed for applications, where the pump set is mounted above water level. Apart from facilitating the initial priming of a pump, a coarse screen is provided to protect the internal workings of the product.

The footvalve is manufactured to resist vacuum and is fabricated in general accordance with AS-1554/SP. To give long lasting performance, the footvalve is fabricated from Gr 316L Stainless Steel. Material certification is available upon request. All fabrication is in accordance with Weld Procedure WP-05; WTIA Tech Note 16; Appendix M in AS-1210. Whilst the product remains in an as welded condition, it is passivated and penetrant dye checked in accordance with AS 2062. The final assembly is leak tested and certified as such on a Manufactures Data Report.

The sealing mechanism of the footvalve comprises of a specially machined seal plate, a replaceable gasket, and a centrally mounted compression spring. The moving poppet of the footvalve is fitted with a conical flow diverter that is designed to minimise head loss. With a flow rate and a line size based on a velocity of 1m/sec, the typical pressure drop across the footvalve is minus 20 kPa. Service access to the sealing mechanism is via a central flanged joint. The product is provided with three support legs that can be adjusted for initial installation and future servicing.



Primary seal gasket (on plunger) Standard Part No. 20-105. Quote footvalve Std Part No or plunger dia.

| Line Size | Dim A | Dim B (Dia) | Shipping (m3) | Shipping (kgs) | Nom Flow (Lt/Sec) | StandardPart Number |
|-----------|-------|-------------|---------------|----------------|-------------------|---------------------|
| 80 (3") | 615 | 400 | 0.1 | 30 | 6 | 20-098 |
| 100 (4") | 615 | 400 | 0.1 | 30 | 9 | 20-099 |
| 150 (6") | 620 | 400 | 0.1 | 30 | 18 | 20-100 |
| 200 (8") | 745 | 490 | 0.18 | 52 | 35 | 20-101 |
| 250 (10") | 775 | 500 | 0.2 | 47 | 55 | 20-102 |
| 300 (12") | 860 | 720 | 0.46 | 125 | 70 | 20-103 |
| 350 (14") | 860 | 720 | 0.46 | 135 | 85 | 20-104 |



Title

SCREENED FOOTVALVE (Poppet Type)
316 Stainless Steel

Whilst this data represents the latest information available at the time of printing, the manufacture assumes no liability for its use.

Date
1 June 2009

Drawn
PB

Drg No.
20-01 [D]