Pegler Yorkshire
connect & control

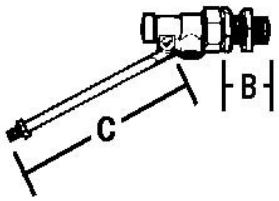
# Floatvalve Bronze Seat BS 1212 Part one high pressure

## 857B



| Size | Pattern No. | Pack 1 Qty | Pack 2 Qty | Code | Barcode | Price (£) ex VAT |
|---|---|---|---|---|---|---|
| 1/2 | 857B-Y | 10 | 0 | 514097 | 5013866016684 | £19.60 |
| 1/2 | 857B-V | 10 | 0 | 514127 | 5013866016691 | £21.91 |
| 3/4 | 857B | 5 | 0 | 514078 | 5013866016660 | £61.52 |
| 1 | 857B | 1 | 20 | 514079 | 5013866006791 | £144.80 |

## 857B




| Code | Description | A | B | C | Kg |
|---|---|---|---|---|---|
| 514097 | 1/2 857B-Y BRASS PT.1 FLOATVALVE (HP) | No. 3 (1/8") | 1 1/4" | 8 3/4" | 0.44 |
| 514127 | 1/2 857B-V BRASS PT.1 FLOATVALVE (HP) | No. 3 (1/8") | 1 7/8" | 10 1/2" | 0.50 |
| 514078 | 3/4 857B BRASS PT.1 FLOATVALVE (HP) | No. 6 (1/4") | 1 1/4" | 13" | 0.92 |
| 514079 | 1 857B BRASS PT.1 FLOATVALVE (HP) | No. 9 (3/8") | 1 1/2" | 16" | 1.97 |

*Pegler Yorkshire reserve the right to change specifications*

**Valves and Fittings**

**Pegler Yorkshire Customcare 5 Year Guarantee - Terms and Conditions**

Products are subject to a 5 year guarantee that is between Pegler Yorkshire and the final purchaser of the product.

The guarantee is subject to proof of purchase being supplied.

This guarantee does not affect any statutory rights the consumer may have in law.

The guarantee covers manufacturing or material defects and does not cover parts subject to normal wear and tear.

This product range has been designed for the use of homeowners, domestic and commercial applications and therefore the guarantee is subject to the product being properly selected for their intended service conditions.

The guarantee is not applicable where the product is fitted contrary to the conditions in the fitting instructions.

This is reinforced where valves are covered by the European Pressure Equipment Directive (PED97/23/EC) where Installation, Operating and Maintenance Instructions are supplied with each product and/or carton.

Provided it is installed correctly and receives adequate preventative maintenance it should give years of trouble –free service.

Abusive behaviour and accidental damage to the product are not covered by this guarantee.

The extent of this liability is limited to the cost of the replacement of the defective item and not to fitting or consequential damages.

| Description | Minimum Operating Pressure (bar) | Maximum Cold Working Pressure (bar) | Maximum Hot Working Pressure (bar) |
|---|---|---|---|
| 857 Bronze Seat | No Minimum Operating Pressure | 14.0 bar at temperatures up to 85oC | Not Suitable for Maximum Hot Working Pressure |

**Care**
No regular aesthetic care is required for this product

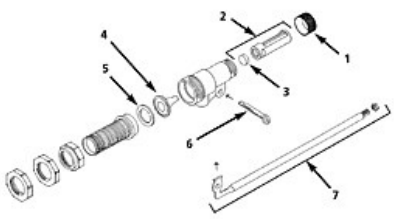
**Maintenance**
No regular maintenance is required for this product.

For any further help please contact the Service Support Team on: 0800 1560050.

**Regulations**
It is important to ensure that the water supplies to your fittings are connected in accordance with the water regulations (WRAS) requirements and good plumbing practice.
This product has been designed in accordance with BS1212 part 1 standard.

| Component | Material |
|---|---|
| Body | Brass |
| Body cap | Brass |
| Lever | Brass |
| Cotter pin | Brass |
| Lever nut | Brass |
| Body union nut | Brass |
| Tail pipe | Brass |
| Union nut washer | Fibre |
| Backnuts | Brass or nylon |
| Seat | Bronze |
| Piston | Brass |
| Piston washer | NBR |
| Cap seal | NBR |

857B




| 1 | | | | | | |
|---|---|---|---|---|---|---|
| **Spare Key** | **Description** | **Code** | **Barcode** | **Date From** | **Date To** | **Price (£) ex VAT** |
| 1 | BC1 BODY CAP | 816047 | 5013866057540 | 01/01/1900 | To Current | £1.84 |
| 1 | BC1 BODY CAP | 816047 | 5013866057540 | 01/01/1900 | To Current | £1.84 |
| 1 | BC1 BODY CAP | 816047 | 5013866057540 | 01/01/1900 | To Current | £1.84 |
| 1 | BC3 BODY CAP | 816013 | 5013866057397 | 01/01/1900 | To Current | £7.39 |
| 1 | BC4 BODY CAP | 816014 | 5013866057403 | 01/01/1900 | To Current | £18.50 |
| 1 | BC5 BODY CAP | 816015 | 5013866057410 | 01/01/1900 | To Current | £41.87 |
| 1 | BC5 BODY CAP | 816015 | 5013866057410 | 01/01/1900 | To Current | £41.87 |
| 1 | BC6 BODY CAP | 816016 | 5013866057427 | 01/01/1900 | To Current | £44.33 |
| 1 | BC1 BODY CAP | 816047 | 5013866057540 | 01/01/1900 | To Current | £1.84 |

| 2 | | | | | | |
|---|---|---|---|---|---|---|
| **Spare Key** | **Description** | **Code** | **Barcode** | **Date From** | **Date To** | **Price (£) ex VAT** |
| 2 | P2 PISTON (BRASS) | 816202 | 5013866058141 | 01/01/1900 | To Current | £6.15 |
| 2 | P2 PISTON (BRASS) | 816202 | 5013866058141 | 01/01/1900 | To Current | £6.15 |
| 2 | P1 PISTON (NYLON) | 816200 | 5013866058127 | 01/01/1900 | To Current | £1.94 |
| 2 | P3 PISTON (BRASS) | 816210 | 5013866058158 | 01/01/1900 | To Current | £9.64 |
| 2 | P4 PISTON (BRONZE) | 816010 | 5013866057366 | 01/01/1900 | To Current | £50.46 |
| 2 | P5 PISTON (BRONZE) | 816011 | 5013866057373 | 01/01/1900 | To Current | £91.08 |
| 2 | P5 PISTON (BRONZE) | 816011 | 5013866057373 | 01/01/1900 | To Current | £91.08 |
| 2 | P6 PISTON (BRONZE) | 816012 | 5013866057380 | 01/01/1900 | To Current | £130.48 |
| 2 | P2 PISTON (BRASS) | 816202 | 5013866058141 | 01/01/1900 | To Current | £6.15 |

| 3 | | | | | | |
|---|---|---|---|---|---|---|
| **Spare Key** | **Description** | **Code** | **Barcode** | **Date From** | **Date To** | **Price (£) ex VAT** |
| 3 | VW1 PISTON WASHER | 816220 | 5013866058165 | 01/01/1900 | To Current | £0.75 |
| 3 | VW1 PISTON WASHER | 816220 | 5013866058165 | 01/01/1900 | To Current | £0.75 |
| 3 | VW1 PISTON WASHER | 816220 | 5013866058165 | 01/01/1900 | To Current | £0.75 |
| 3 | VW2 PISTON WASHER | 816221 | 5013866058172 | 01/01/1900 | To Current | £1.49 |
| 3 | VW3 PISTON WASHER | 816222 | 5013866058189 | 01/01/1900 | To Current | £4.06 |
| 3 | VW4 PISTON WASHER | 816223 | 5013866058196 | 01/01/1900 | To Current | £10.13 |
| 3 | VW4 PISTON WASHER | 816223 | 5013866058196 | 01/01/1900 | To Current | £10.13 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 3 | VW5 PISTON WASHER | 816225 | 5013866058202 | 01/01/1900 | To Current | £15.52 |
| 3 | VW1 PISTON WASHER | 816220 | 5013866058165 | 01/01/1900 | To Current | £0.75 |

| 4 | | | | | | |
|---|---|---|---|---|---|---|
| **Spare Key** | **Description** | **Code** | **Barcode** | **Date From** | **Date To** | **Price (£) ex VAT** |
| 4 | ST5 FLOATVALVE SEAT - BRONZE (1/8) | 816030 | 5013866057496 | 01/01/1900 | To Current | £4.06 |
| 4 | ST5 FLOATVALVE SEAT - BRONZE (1/8) | 816030 | 5013866057496 | 01/01/1900 | To Current | £4.06 |
| 4 | ST5 FLOATVALVE SEAT - BRONZE (1/8) | 816030 | 5013866057496 | 01/01/1900 | To Current | £4.06 |
| 4 | ST9 FLOATVALVE SEAT - BRONZE (1/4) | 816031 | 5013866057502 | 01/01/1900 | To Current | £5.91 |
| 4 | ST13 FLOATVALVE SEAT - BRONZE (3/8) | 816032 | 5013866057519 | 01/01/1900 | To Current | £13.93 |
| 4 | ST15 FLOATVALVE SEAT - BRONZE (3/4) | 816023 | 5013866057472 | 01/01/1900 | To Current | £34.34 |
| 4 | ST15 FLOATVALVE SEAT - BRONZE (3/4) | 816023 | 5013866057472 | 01/01/1900 | To Current | £34.34 |
| 4 | ST17 FLOATVALVE SEAT - BRONZE (1) | 816035 | 5013866057533 | 01/01/1900 | To Current | £52.53 |
| 4 | ST5 FLOATVALVE SEAT - BRONZE (1/8) | 816030 | 5013866057496 | 01/01/1900 | To Current | £4.06 |

| 5 | | | | | | |
|---|---|---|---|---|---|---|
| **Spare Key** | **Description** | **Code** | **Barcode** | **Date From** | **Date To** | **Price (£) ex VAT** |
| 5 | SW17 SEAT WASHER | 816090 | 5013866057649 | 01/01/1900 | To Current | £0.75 |
| 5 | SW17 SEAT WASHER | 816090 | 5013866057649 | 01/01/1900 | To Current | £0.75 |
| 5 | SW17 SEAT WASHER | 816090 | 5013866057649 | 01/01/1900 | To Current | £0.75 |
| 5 | SW18 SEAT WASHER | 816091 | 5013866057656 | 01/01/1900 | To Current | £0.95 |
| 5 | SW19 SEAT WASHER | 816092 | 5013866057663 | 01/01/1900 | To Current | £1.72 |
| 5 | SW20 SEAT WASHER | 816093 | 5013866057670 | 01/01/1900 | To Current | £3.11 |
| 5 | SW21 SEAT WASHER | 816094 | 5013866057687 | 01/01/1900 | To Current | £3.70 |
| 5 | SW22 SEAT WASHER | 816095 | 5013866057694 | 01/01/1900 | To Current | £5.91 |
| 5 | SW17 SEAT WASHER | 816090 | 5013866057649 | 01/01/1900 | To Current | £0.75 |

| 6 | | | | | | |
|---|---|---|---|---|---|---|
| **Spare Key** | **Description** | **Code** | **Barcode** | **Date From** | **Date To** | **Price (£) ex VAT** |
| 6 | CTP1 SPLIT COTTER PIN | 816240 | 5013866058271 | 01/01/1900 | To Current | £1.72 |
| 6 | CTP1 SPLIT COTTER PIN | 816240 | 5013866058271 | 01/01/1900 | To Current | £1.72 |
| 6 | CTP1 SPLIT COTTER PIN | 816240 | 5013866058271 | 01/01/1900 | To Current | £1.72 |
| 6 | CTP3 SPLIT COTTER PIN | 816241 | 5013866058288 | 01/01/1900 | To Current | £1.84 |
| 6 | CTP4 SPLIT COTTER PIN | 816242 | 5013866058295 | 01/01/1900 | To Current | £2.55 |
| 6 | CTP5 SPLIT COTTER PIN | 816243 | 5013866058301 | 01/01/1900 | To Current | £11.55 |
| 6 | CTP5 SPLIT COTTER PIN | 816243 | 5013866058301 | 01/01/1900 | To Current | £11.55 |
| 6 | CTP6 SPLIT COTTER PIN | 816245 | 5013866058318 | 01/01/1900 | To Current | £12.34 |
| 6 | CTP1 SPLIT COTTER PIN | 816240 | 5013866058271 | 01/01/1900 | To Current | £1.72 |

| 7 | | | | | | |
|---|---|---|---|---|---|---|
| **Spare Key** | **Description** | **Code** | **Barcode** | **Date From** | **Date To** | **Price (£) ex VAT** |
| 7 | LA1 FLOATVALVE LEVER ARM ASSEMBLY | 816060 | 5013866057564 | 01/01/1900 | To Current | £6.43 |
| 7 | LA6 FLOATVALVE LEVER ARM ASSEMBLY | 816065 | 5013866057588 | 01/01/1900 | To Current | £7.39 |
| 7 | LA1 FLOATVALVE LEVER ARM ASSEMBLY | 816060 | 5013866057564 | 01/01/1900 | To Current | £6.43 |
| 7 | LA2 FLOATVALVE LEVER ARM ASSEMBLY | 816061 | 5013866057571 | 01/01/1900 | To Current | £9.64 |
| 7 | LA9 FLOATVALVE LEVER ARM ASSEMBLY | 816073 | 5013866057618 | 01/01/1900 | To Current | £49.21 |
| 7 | LA10 FLOATVALVE LEVER ARM ASSEMBLY | 816074 | 5013866057625 | 01/01/1900 | To Current | £64.01 |
| 7 | LA10 FLOATVALVE LEVER ARM ASSEMBLY | 816074 | 5013866057625 | 01/01/1900 | To Current | £64.01 |
| 7 | LA11 FLOATVALVE LEVER ARM ASSEMBLY | 816075 | 5013866057632 | 01/01/1900 | To Current | £93.57 |
| 7 | LA6 FLOATVALVE LEVER ARM | 816065 | 5013866057588 | 01/01/1900 | To | £7.39 |

| | |
|---|---|
| ASSEMBLY | Current |

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# FLOW RATE & SIZE SELECTION CHART (GPM)

| | Static Pressure | | BS 1212 PART 1 Seat Bore Size | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | P.S.I. | Feet | 1/8" | 1/4" | 3/8" | 1/2" | 5/8" | 3/4" | 15/16" | 1" | 1 1/4" |
| LOW PRESSURE | 0.5 | 1.15 | 0.20 | 0.82 | 1.84 | 3.28 | 5.12 | 7.37 | 11.50 | 13.10 | 20.50 |
| | 1.0 | 2.30 | 0.29 | 1.16 | 2.61 | 4.65 | 7.25 | 10.40 | 16.30 | 18.60 | 29.00 |
| | 2.0 | 4.60 | 0.41 | 1.65 | 3.69 | 6.57 | 10.30 | 14.80 | 23.10 | 26.30 | 41.00 |
| | 4.0 | 9.20 | 0.58 | 2.33 | 5.22 | 9.29 | 14.50 | 20.90 | 32.60 | 37.10 | 58.00 |
| | 7.0 | 16.10 | 0.77 | 3.08 | 6.90 | 12.30 | 19.20 | 27.60 | 43.20 | 49.10 | 77.00 |
| | 10.0 | 23.10 | 0.92 | 3.69 | 8.27 | 14.70 | 23.00 | 33.10 | 51.70 | 58.90 | 92.00 |
| | 15.0 | 34.60 | 1.13 | 4.52 | 10.10 | 18.00 | 28.20 | 40.50 | 63.40 | 72.00 | 113.00 |
| | 20.0 | 46.20 | 1.31 | 5.22 | 11.70 | 20.80 | 32.50 | 46.80 | 73.00 | 83.00 | 130.00 |
| | 25.0 | 57.70 | 1.46 | 5.82 | 13.00 | 23.20 | 36.30 | 52.30 | 82.00 | 93.00 | 145.00 |
| | 30.0 | 69.30 | 1.60 | 6.40 | 14.30 | 25.50 | 39.80 | 57.30 | 90.00 | 102.00 | 159.00 |
| | 35.0 | 80.80 | 1.73 | 6.90 | 15.50 | 27.50 | 43.00 | 62.00 | 97.00 | 110.00 | 172.00 |
| | 40.0 | 92.40 | 1.85 | 7.38 | 16.50 | 29.50 | 46.00 | 66.00 | 103.00 | 118.00 | 184.00 |
| MEDIUM PRESSURE | 50.0 | 115.00 | 2.06 | 8.24 | 18.50 | 32.80 | 51.00 | 74.00 | 115.00 | 131.00 | 205.00 |
| | 60.0 | 138.00 | 2.26 | 9.02 | 20.20 | 36.00 | 56.00 | 81.00 | 125.00 | 144.00 | 225.00 |
| | 70.0 | 161.00 | 2.44 | 9.74 | 21.80 | 38.80 | 61.00 | 87.00 | 136.00 | 155.00 | 243.00 |
| | 80.0 | 184.00 | 2.60 | 10.40 | 23.30 | 41.50 | 65.00 | 93.00 | 146.00 | 166.00 | 260.00 |
| | 90.0 | 207.00 | 2.76 | 11.00 | 24.70 | 44.00 | 69.00 | 99.00 | 155.00 | 176.00 | 275.00 |
| | 100.0 | 231.00 | 2.92 | 11.60 | 26.10 | 46.50 | 73.00 | 105.00 | 163.00 | 186.00 | 291.00 |
| HIGH PRESSURE | 110.0 | 254.00 | 3.06 | 12.20 | 27.40 | 48.80 | 76.00 | 109.00 | 172.00 | 195.00 | 305.00 |
| | 125.0 | 289.00 | 3.26 | 13.10 | 29.20 | 52.10 | 81.00 | 117.00 | 183.00 | 208.00 | 325.00 |
| | 150.0 | 346.00 | 3.58 | 14.30 | 32.00 | 57.10 | 89.00 | 128.00 | 200.00 | 228.00 | 356.00 |
| | 175.0 | 404.00 | 3.86 | 15.40 | 34.60 | 61.60 | 96.00 | 138.00 | 216.00 | 246.00 | 385.00 |
| | 200.0 | 462.00 | 4.13 | 16.50 | 37.00 | 65.90 | 103.00 | 148.00 | 231.00 | 267.00 | 412.00 |

**Flow Rate and Size Selection Chart general Notes:**

The discharge through a floatvalve is governed by the running pressure maintained at its inlet. In practice this is difficult to measure and so the tables shown indicate the 'estimated' flow rate in G.P.M. that will occur at various static heads for each size of floatvalve or for each size of seat in floatvalves that accept a variety of seat sizes. The flow rates quoted will only occur when the floatvalve is fully open and will reduce as the water level in the tank rises. Excessive pipe runs to the floatvalve will result in lower running pressures and thus reduced flow rates.

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## RANGE

| | | Patt. No. | Size | Piston Material | Backnut Material | Seat Bore | Tail Length | Lever Length | Recommended Float Size | | Weight Approx kg |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Copper | Plastic | |
| HIGH PRESSURE | NYLON SEAT | 857 N | 1/2" | Nylon | Brass | No. 3 (1/8") | 1 1/4" | 8 3/4" | 4 1/2" x 5/16"W | 4 1/2" x 5/16"W | 0.39 |
| | | 857 N-Z | 1/2" | Nylon | Nylon | No. 3 (1/8") | 1 1/4" | 8 3/4" | 4 1/2" x 5/16"W | 4 1/2" x 5/16"W | 0.34 |
| | | 857 N-S | 1/2" | Nylon | Brass | No. 5 (3/16") | 1 1/4" | 8 3/4" | 4 1/2" x 5/16"W | 4 1/2" x 5/16"W | 0.39 |
| | | 857 N-Y | 1/2" | Brass | Brass | No. 3 (1/8") | 1 1/4" | 8 3/4" | 4 1/2" x 5/16"W | 4 1/2" x 5/16"W | 0.42 |
| | | 857 N-X | 1/2" | Nylon | Brass | No 3 (1/8") | 1 1/4" | 10 1/2" | 4 1/2" x 5/16"W | 4 1/2" x 5/16"W | 0.41 |
| | | 857 N-W | 1/2" | Nylon | Brass | No. 3 (1/8") | 1 7/8" | 10 1/2" | 4 1/2" x 5/16"W | 4 1/2" x 5/16"W | 0.43 |
| | | 857 N-V | 1/2" | Brass | Brass | No. 3 (1/8") | 1 7/8" | 10 1/2" | 4 1/2" x 5/16"W | 4 1/2" x 5/16"W | 0.48 |
| | | 857 N-U | 1/2" | Nylon | Brass | No. 3 (1/8") | 2 1/2" | 10 1/2" | 4 1/2" x 5/16"W | 4 1/2" x 5/16"W | 0.45 |
| | | 857 N | 3/4" | Brass | Brass | No. 6 (1/4") | 1 1/4" | 13" | 5 1/2" x 5/16"W | 5" x 5/16"W | 0.90 |
| | | 857 N | 1" | Bronze | Brass | No. 9 (3/8") | 1 1/2" | 16" | 6" x 7/16"W | 6" x 7/16"W | 1.67 |
| | BRONZE SEAT | 857 B-Y | 1/2" | Brass | Brass | No. 3 (1/8") | 1 1/4" | 8 3/4" | 4 1/2" x 5/16"W | 4 1/2" x 5/16"W | 0.43 |
| | | 857 B-V | 1/2" | Brass | Brass | No. 3 (1/8") | 1 7/8" | 10 1/2" | 4 1/2" x 5/16"W | 4 1/2" x 5/16"W | 0.47 |
| | | 857 B | 3/4" | Brass | Brass | No. 6(1/4") | 1 1/4" | 13" | 5 1/2" x 5/16"W | 5" x 5/16"W | 0.92 |
| | | 857 B | 1" | Bronze | Brass | No. 9 (3/8") | 1 1/2" | 16" | 6" x 7/16"W | 6" x 7/16"W | 1.69 |
| | | 857 B | 1 1/4" | Bronze | Bronze | No. 19 (3/4") | 1 7/8" | 22 1/2" | 8" x 9/16"W | 10" x 9/16"W | 3.78 |
| | | 857 B | 1 1/2" | Bronze | Bronze | No. 19 (3/4") | 1 7/8" | 22 1/2" | 10" x 9/16"W | 10" x 9/16"W | 3.90 |
| | | 857 B | 2" | Bronze | Bronze | No. 25 (1") | 2 1/8" | 29" | 12" x 5/8"W | 12" x 5/8"W | 6.76 |
| LOW PRESSURE | NYLON SEAT | 859 N | 1/2" | Brass | Brass | No. 9 (3/8") | 1 1/4" | 8 3/4" | 4 1/2" x 5/16"W | 4 1/2" x 5/16"W | 0.50 |
| | | 859 N-V | 1/2" | Brass | Brass | No. 9 (3/8") | 1 7/8" | 10 1/2" | 4 1/2" x 5/16"W | 4 1/2" x 5/16"W | 0.53 |
| | | 859 N | 3/4" | Brass | Brass | No. 13 (1/2") | 1 1/4" | 13" | 5 1/2" x 5/16"W | 5" x 5/16"W | 0.90 |
| | | 859 N | 1" | Bronze | Brass | No. 16 (5/8") | 1 1/2" | 16" | 6" x 7/16"W | 6" x 7/16"W | 1.67 |
| | BRONZE SEAT | 859 B | 1/2" | Brass | Brass | No. 9 (3/8") | 1 1/4" | 8 3/4" | 4 1/2" x 5/16"W | 4 1/2" x 5/16"W | 0.42 |

**Note**: It is normal practice to consider the 857 as a high pressure floatvalve and the 859 as a low pressure. It is, however, possible to use a low pressure valve at high pressures provided an appropriate float is used to ensure shut off at the higher pressure. Similarly, a high pressure valve can be used at low pressures provided the resulting lower flow rates are acceptable. Where two seat size options exist for different sizes of floatvalve, select the smaller size of floatvalve if the flow rate through the seat is more than 5% in excess of the flow required.