

AIRMASTER®

SERIES RF AUTOMATIC DEWATERING VALVES

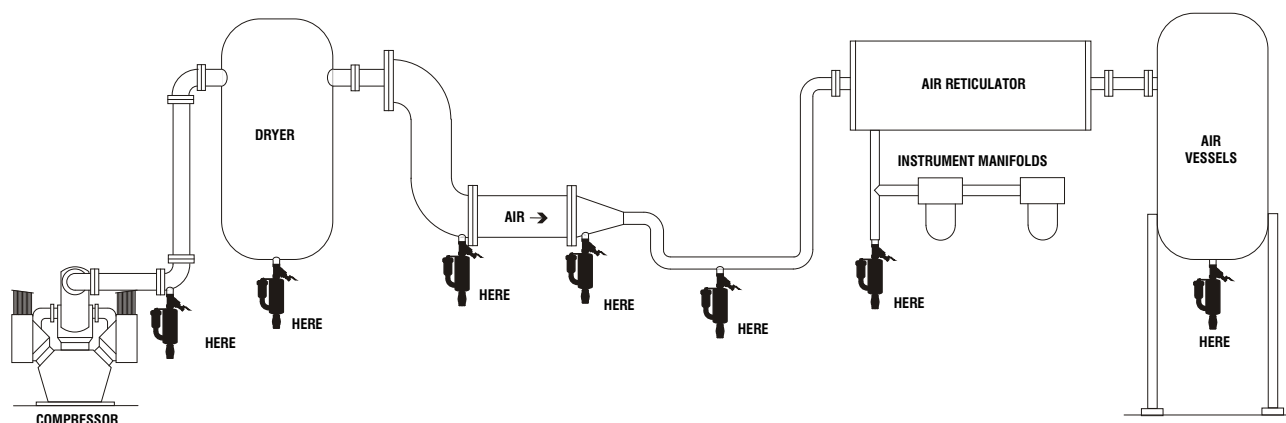
For the purging of water from compressed air systems

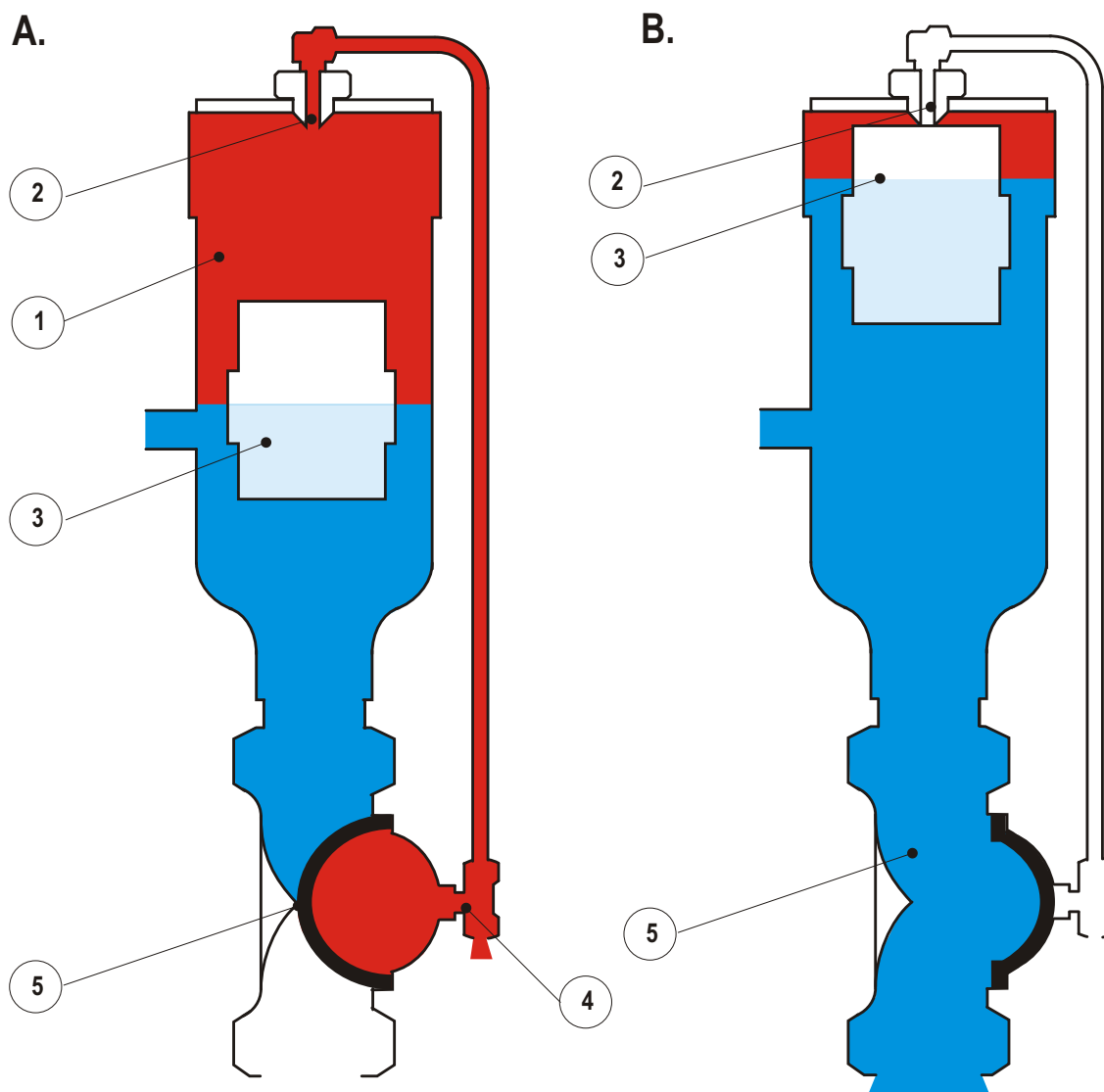
The series **RF AIRMASTER** is a high capacity automatic dump valve specifically designed to continuously purge water from compressed air systems, thereby preventing loss of system capacity or damage to pneumatic equipment. Properly installed these valves have proven to be extremely reliable and efficient whilst requiring minimum maintenance. Their high discharge rate ensures that water is never allowed to accumulate at potential collection points along pipelines or under pressure vessels.

Unlike mechanical water traps which have very low discharge rates due to an operating principle that limits the discharge port to comparatively small sizes, the **AIRMASTER** dump valve can accommodate a large bore discharge because of its superior pneumatic operation. This combined with a large integral water reservoir and an actuating mechanism that will not allow loss of water makes the **AIRMASTER** way a very cost effective de - watering method.

The **AIRMASTER** series RF standard range consist of 40mm(1 1/2") or 25mm (1") discharge models with, 5, 5 litre or 0, 5 litre reservoirs and for a maximum working pressure of 10 bar (150 psi). They are supplied with screwed connections to BSP or NPT standards in sizes 50mm (2") and 15mm (1/2") suitable for installation under pipeline or in - line for smaller diameter pipe work.

WHERE DO YOU NEED AUTOMATIC DEWATERING VALVES



OPERATION

- A.** Upon commissioning, small amounts of air and water will continuously discharge from the needle valve (4). The volume of air discharged is very small and is just sufficient to maintain a differential pressure to keep the Dump Valve (5) closed.

Condensate enters the Control Float Chamber (1) and buoys the Control Float (3).

- B.** The Control Float (3) is buoyed as water accumulates in the Control Float Chamber (1) and seals off the Small Orifice (2). This cuts off the air supply to the Dump Valve (5). Pressure exerted by the water in the Control Float Chamber (3), opens the Dump Valve, discharging the accumulated water.

The frequency of operation will be dependant on the location of the valve (see page 1), rate of flow and, pressure and temperature variations.

MATERIAL SPECIFICATIONS
0.5 Litre Capacity

Coupling Clamp
Cast Steel - Galvanized

Control Chamber Cap
Mild Steel - Galvanized

90° Compression Fitting
Brass

Nozzle
Brass

Nozzle Seat
Natural Rubber

Strainer
Brass - Nickel Plated

Control Float
High Density Polyethylene

Valve Body
Mild Steel
Fusion Bonded Epoxy
Powder Coated

Connection Tube
Rubber

Compression Fitting
Brass

3 Way Tee
Brass

Needle Valve
Brass

Automatic Dump Valve
Cast Iron

MATERIAL SPECIFICATIONS
5.5 Litre Capacity

Strainer
Cast Iron - Galvanized

Coupling Clamp
Cast Steel - Galvanized

Control Chamber Cap
Mild Steel - Galvanized

90° Compression Fitting
Brass

Nozzle
Brass

Nozzle Seat
Natural Rubber

Control Float
High Density Polyethylene

Blow off Cock
Brass - Nickel Plated

Valve Body
Mild Steel Galvanized

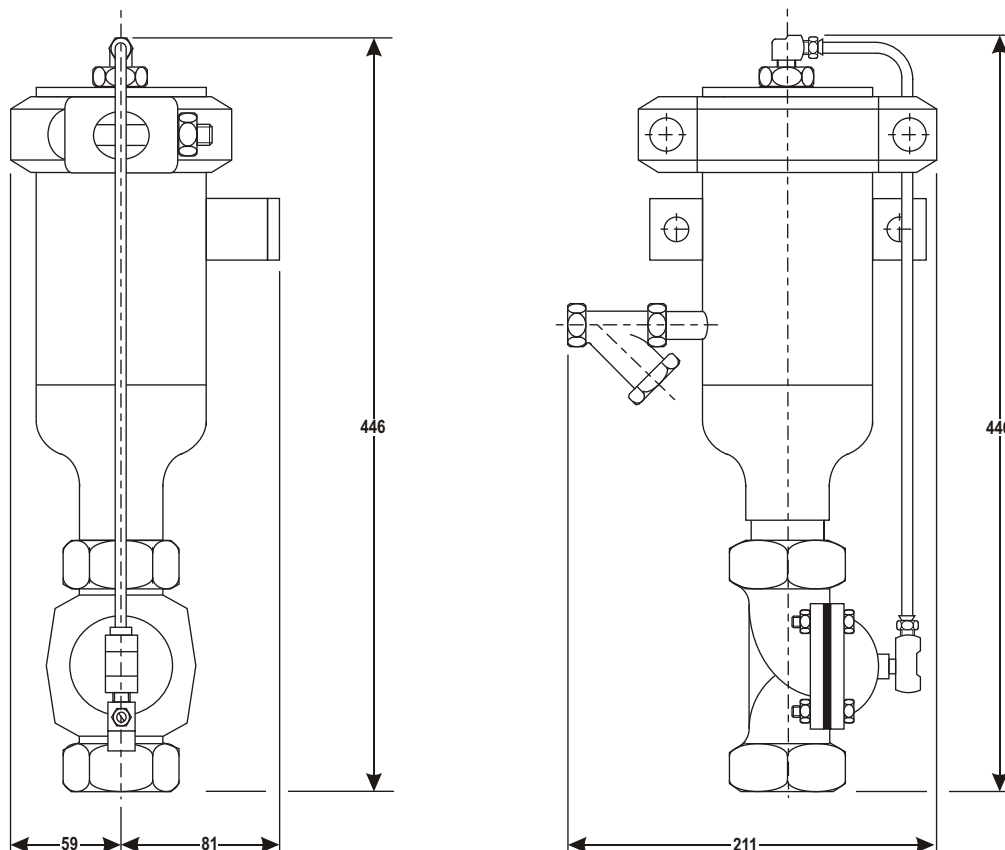
Connection Tube
Rubber

Compression Fitting
Brass

3 Way Tee
Brass

Needle Valve
Brass

Automatic Dump Valve
Cast Iron

GENERAL SPECIFICATIONS
0.5 Litre Capacity**Type:**

Series RF Large Capacity Dump Valve

Inlet Connection:

Screwed 1/2" BSP Female

Accumulator Capacity:

0.5 Litre

Operating Temperature Range:

5 °C to 55 °C

Model No.:

015 RF 1003

Outlet Connection:

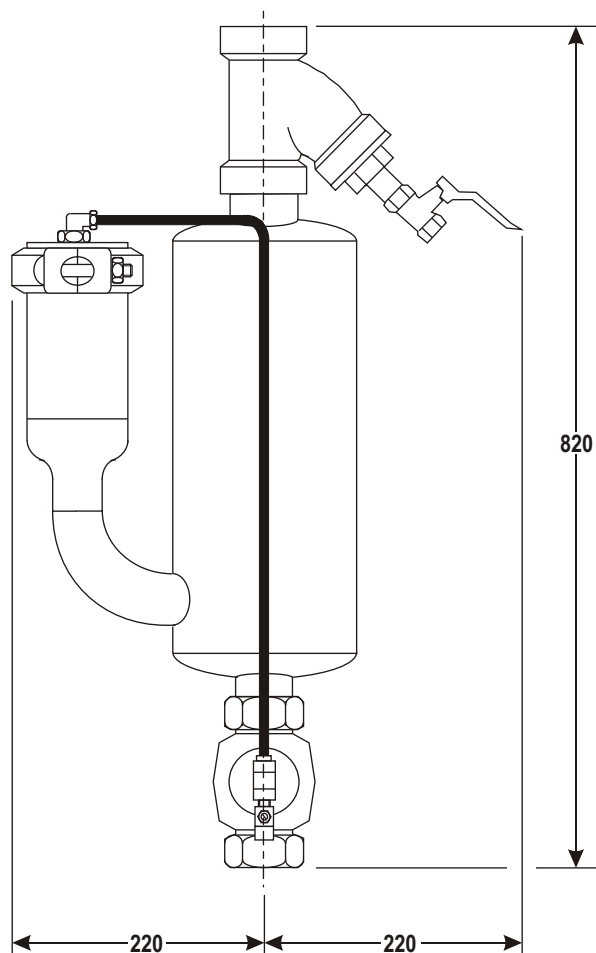
Screwed 1" BSP Female

Operating Pressure Range

Min. 100 kPa Max. 1000 kPa

Weight:

6 kg.

GENERAL SPECIFICATIONS
5.5 Litre Capacity**Type:**

Series RF Large Capacity Dump Valve

Inlet Connection:

Screwed 2" BSP Female

Accumulator Capacity:

5.5 Litre

Operating Temperature Range:

5 °C to 55 °C

Model No.:

050 RF 1003

Outlet Connection:

Screwed 1.5" BSP Female

Operating Pressure Range

Min. 100 kPa Max. 1000 kPa

Weight:

18 kg.

SERIES RF

AUTOMATIC DEWATERING VALVES

CONDITIONS OF SALE

Sale of AIRMASTER equipment is subject to the purchaser's acceptance of the company's STANDARD CONDITIONS OF TENDER AND SALE a copy of which is available on request.

Specific attention is drawn to the following extracts.

CONTRACTUAL LIMITATIONS:

The 'Company's' supply is limited to such equipment, accessories, work and documentation as is specified in its quotations.

DRAWINGS AND DATA:

All drawings, illustrations, descriptive literature, technical data or particulars of mass and dimensions accompanying the 'Company's' quotations must be considered approximate except when specifically certified.

TESTS:

The goods will be tested in accordance with the specifications of the 'Company's' tender and/or relevant standard specifications as stated therein.

AVAILABILITY:

- (a) Offers for equipment available ex stock are subject to such stock remaining unsold at time of order placement.
- (b) Delivery periods quoted are based on the manufacturing position at the time of quotation. Whilst every endeavour will be made to maintain such deliveries, no liability shall be accepted by the 'Company' for delay due to causes beyond its control.
- (c) The 'Company' shall only accept liability for late delivery where the 'Company's' liability for such late delivery is not excluded in terms of the foregoing and where the 'Company' has specifically agreed in writing to the payment of a penalty or liquidated damages or damages for such late delivery. In which case the 'Company's' liability shall be limited to the amount so agreed.

DELIVERY

The 'Company' will deliver, where provided for, to a destination named in its quotation at which point the 'Company's' responsibility for the goods will cease.

PACKING:

Where the 'Company' deems goods vulnerable to damage during transit, the 'Company' reserves the right to pack such goods in suitable protective packaging or crates at the Purchaser's cost. Invoices for packing will be substantiated by a copy of relevant documentation from the packaging contractor.

PRICE BASIS:

Prices are referenced from the 'Company's' valid lists or from the 'Company's' written or verbal quotation exclude packaging and delivery.

PAYMENT TERMS:

Without exception, payment for all goods and services shall be received by the 'Company' not later than 30 (THIRTY) days subsequent to the date of statement. Interest at prime lending rate + 2% shall be charged on all overdue amounts.

TITLE:

Ownership of all goods supplied by the 'Company' will not pass to the purchaser or any other party until paid for in full and until such time. The 'company' shall be entitled to re - possess the goods whether affixed to immovable property or not. All such goods shall be deemed to be removable property and severable from immovable property.

TENDER/ QUOTATION VALIDITY:

Written or verbal quotations will be held valid for a maximum of 30 (thirty) days unless contradicted in writing by the 'Company'.

RETURNS FOR CREDIT:

Acceptance of goods returned will be entirely at the discretion of the 'Company' and subject to a minimum restocking charge equal to 15% of the gross invoiced value of such returned goods.

LIMITED LIABILITY:

The 'Company' shall not be liable for any incidental or consequential loss or damages or expense arising directly or indirectly from the use of any goods supplied, nor shall liability be accepted for any labour or other expenses incurred. The 'Company's' liability is limited solely to the terms of its guarantee.

WARRANTY

- (a) The 'Company' guarantees that the goods supplied will conform to specifications and to any requirements specifically accepted by the 'Company' in writing in regard to each order but, except as aforesaid, the 'Company' gives no warranty, express or implied, of the material workmanship or fitness of goods for any particular purpose whether such purpose is known to us or not. In accordance with the specifications or requirements aforesaid, or should defects under proper use appear in the goods within a period of 12 (TWELVE) calendar months after the goods have been delivered, caused solely by faulty design, materials or workmanship, we shall, if requested to do so within a reasonable time, but not later than 18 (EIGHTEEN) calendar months, from date of delivery, repair such goods or the defective parts thereof, free of charge by supplying other goods or replacement parts at the initial place of delivery which do comply with specifications or requirements aforesaid and/or which are free of the defects complained of.
- (b) It is a condition of this guarantee:
 - (i) that any defective parts are returned to the 'Company's' works at the purchaser's expenses and;
 - (ii) in respect of parts or components not of the 'Company's' manufacture, the 'Company's' guarantee shall be limited to the guarantee, if any which we may have received from the supplier of such parts or components in respect thereof so that the 'Company's' liability in terms of such guarantee shall be no greater than the 'Company's' liability in terms of the 'Company's' own guarantee as set out in this clause;
 - (iii) the 'Company' shall be given reasonable time and opportunity to comply with the terms of the guarantee before you call on the 'Company' to pay any sums in respect of the liquidated damages and;
 - (iv) save as provided in the clause, the 'Company' shall be under no liability, whether in contract, delict or otherwise in respect of defects in goods delivered, or for any injury, damage or loss resulting from defect or from any work done in connection therewith.

DISTRIBUTED BY:

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