

## **Tq-007Air dryer filter**

Compressed Air Filters









## Product Specifications

|                                  |                    |
|----------------------------------|--------------------|
| Warranty                         | 1.5 years          |
| Mechanical Test Report           | Available          |
| Video Inspection before Shipment | Available          |
| Capacity                         | 22 m³/min          |
| Dimensions                       | 205 × 180 × 620 mm |
| Weight                           | 13 kg              |
| Warranty                         | 2 years            |
| Air Connection                   | Rc 2-1/2"          |
| Medium                           | Medium             |
| Filtration Grade                 | 3 Micron           |

## Product Description

### PROTECTION AND RELIABILITY

Compressed air can be contaminated by dirt, water and oil, which can damage the downstream appliances. DEMARGO thanks to its 15 years experience in this sector offers a wide range of in-line filters for removing these contamination and protecting the equipment served by compressed air, according to the ISO 8573-1 standards.

### Working conditions and Technical Data

Capacity: 1.2~25m³/min

Max. Working Pressure:16 bar. Max.working temperature:80°C

Differential Pressure: 0.07 bar

Filter Element Service: 6000 hours

Air Filter With Differential Pressure Indicator

Filter housing internal with anti-corrosion treatment.

## Features

1□ Generous aerodynamic flow paths and edged ports for reducing pressure drops.

2□ Differential pressure gauges are the Simple Way to Check a Filter Status.It helps the user to determine when to replace the filter element. DEMARGO in standard designs with higher temperature and increased corrosion resistance.

3□ The facilitates the element replacement by reducing service

clearance, and the absence of tie-rod contributes in precious gain for the flow path through the end cap collar.

4□ Cathaphoretic coating confers high quality surface finish as well as ensure long high protection against corrosion.

5□ Filter elements are characterized by:

- \* high-quality stainless steel cores ensure extreme strength

- \* Endcaps made of synthetic material resistant up to 120 C, ensuring absolutely corrosion free solution

- \* Outer drainer made of Strong alloy material that make drainage more timely and durable.

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Guaranteed Air Purity Elements

High-efficient glass fiber and stainless steel

No risks of cracked filter media, cilinder implosion, top cap leakages or oil re- entrainment

Stainless steel cores guarantee ultimate strength

Protection paper to avoid damaging of glass fiber media

The filter housings are completely clean on the inside and outside and externally painted afterwards.Special coating ensures a housing lifetime of at least 20 years

## Applicable Industries

The DEMARGO TQ-007 Refrigerated Air Dryer Filter is widely used across various industries that require reliable, clean compressed air:

Hotels - HVAC systems, pneumatic controls, laundry equipment

Clothing Stores - Garment pressing, air curtain systems

Building Material Stores - Pneumatic conveying, cutting tools

Manufacturing Plants - Factory automation, general workshop air

Food & Beverage Factories - Hygienic air for processing, packaging, and conveying

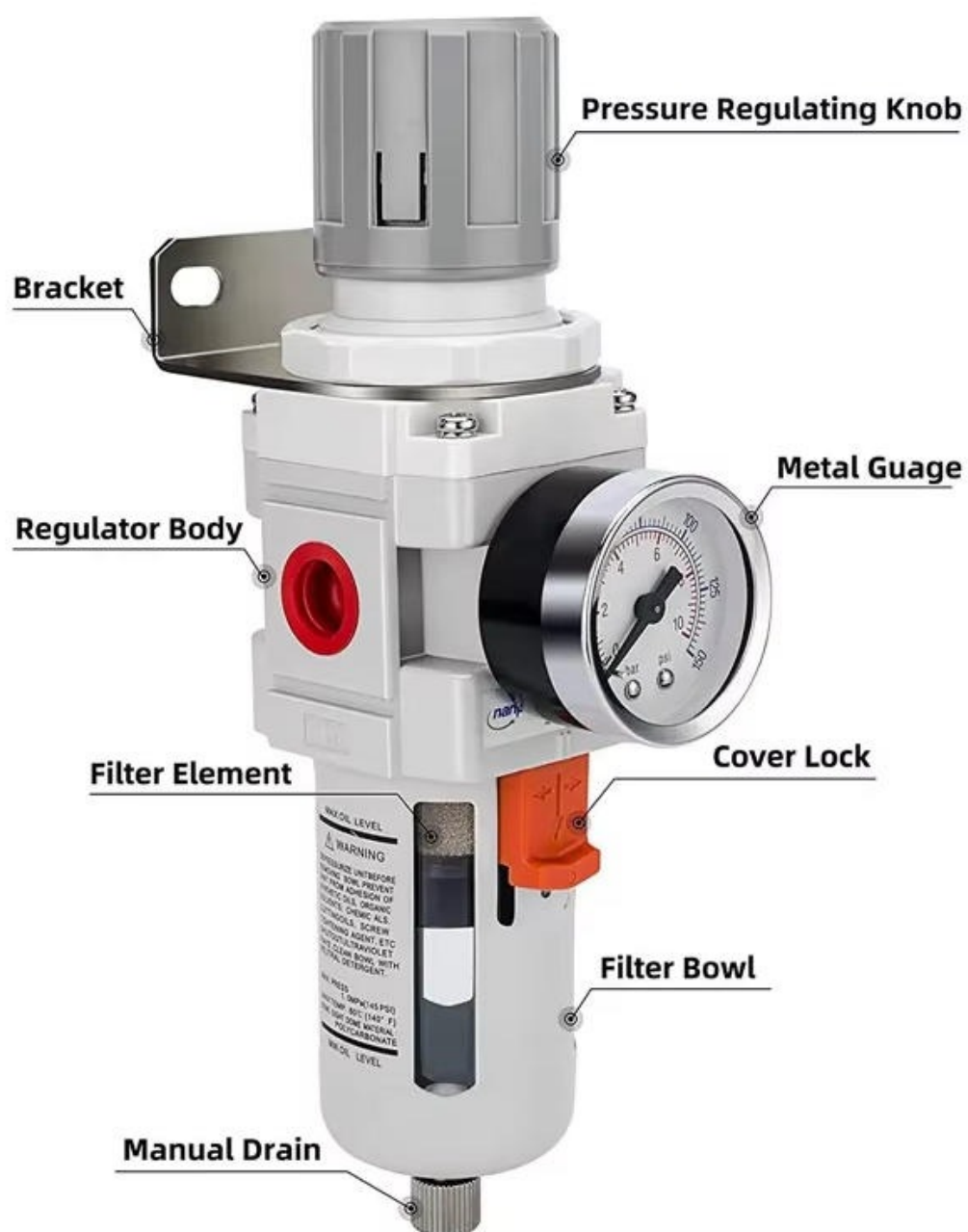
Farms - Ventilation systems, pneumatic feeding equipment

Restaurants - Kitchen ventilation, pneumatic controls

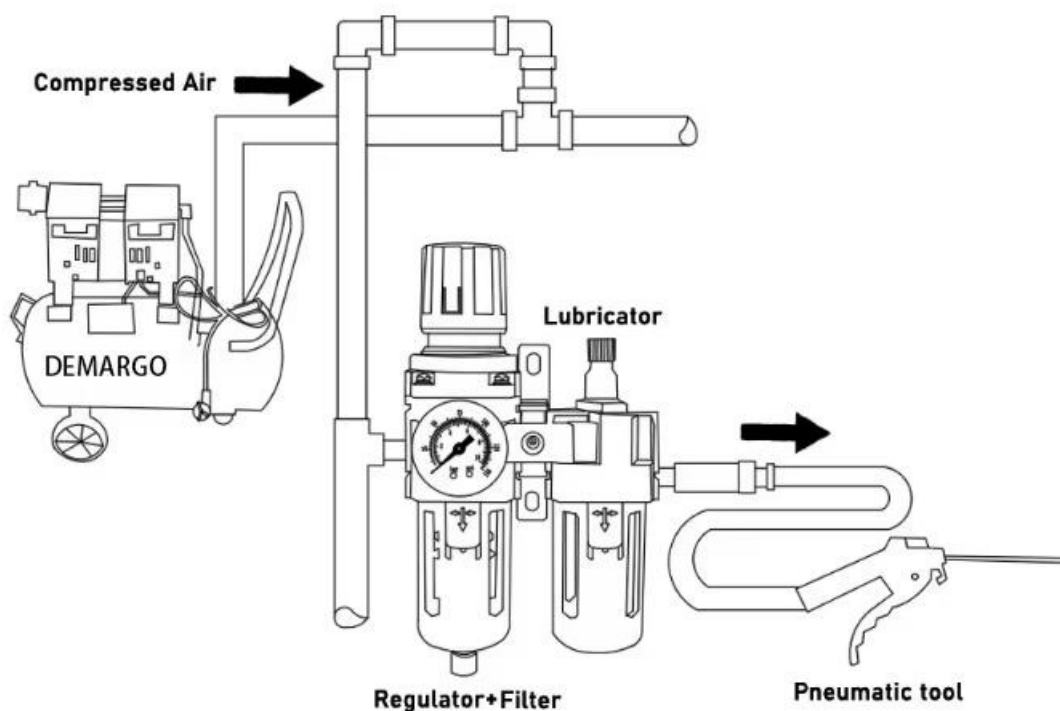
Construction Works - Pneumatic tools, dust suppression systems

Energy & Mining - Instrument air, process control systems

Food & Beverage Shops - Packaging equipment, dispensing systems



## TECHNOLOGY CHANGES LIFE & TECHNOLOGY CHANGED BY DEMARGO



| Model             | Capacity (Nm <sup>3</sup> /min) | Air Connection | Dimensions (mm) | Weight (kg) |
|-------------------|---------------------------------|----------------|-----------------|-------------|
| DMG/T/A/AA/H-001  | 1.4                             | Rc1"           | 102*76*260      | 1.5         |
| DMG/T/A/AA/H-002  | 2.4                             | Rc1"           | 117*87*294      | 2           |
| DMG/T/A/AA/H-003  | 3.8                             | Rc1-1/2"       | 134*85*330      | 3           |
| DMG/T/A/AA/H-006  | 6.5                             | Rc1-1/2"       | 134*85*428      | 4           |
| DMG/T/A/AA/H-008  | 8.5                             | Rc1-1/2"       | 134*85*428      | 5           |
| DMG/T/A/AA/H-010  | 10.7                            | Rc2"           | 160*108*555     | 5           |
| DMG/T/A/AA/H-013  | 13.5                            | Rc2"           | 160*108*555     | 10          |
| DMG/T/A/AA/H-015  | 18                              | Rc2-1/2"       | 170*115*590     | 12          |
| DMG/T/A/AA/H-015F | 18                              | DN65           | 310*133*910     | 25          |
| DMG/T/A/AA/H-020  | 22                              | Rc2-1/2"       | 205*180*620     | 13          |
| DMG/T/A/AA/H-020F | 25                              | DN80           | 370*159*1006    | 44          |
| DMG/T/A/AA/H-025  | 28                              | Rc3"           | 205*180*620     | 14          |
| DMG/T/A/AA/H-025F | 28                              | DN80           | 370*159*1360    | 52          |
| DMG/T/A/AA/H-030  | 35                              | Rc3"           | 205*180*810     | 15          |
| DMG/T/A/AA/H-030F | 35                              | DN100          | 449*219*1164    | 65          |
| DMG/T/A/AA/H-040F | 45                              | DN100          | 449*219*1164    | 68          |
| DMG/T/A/AA/H-050F | 55                              | DN125          | 513*273*1218    | 96          |
| DMG/T/A/AA/H-060F | 65                              | DN125          | 513*273*1218    | 98          |

## Refrigerated Air Dryer & Desiccant Air Dryer - Demargo

Demargo (Shanghai) Energy-Saving Technology Co., Ltd. is a national high-tech enterprise and a Shanghai "Specialized, Refined, Characteristic and Innovative" enterprise, devoting itself to the R&D, production, sales and after-sales service of compressed air purification equipment for 19 years. With a firm commitment to energy conservation, environmental protection and technological innovation, we have grown into a leading manufacturer in the air compression post-treatment industry, providing high-quality, customized solutions for global industrial customers.

Our core strength lies in strong technological research and development capabilities. Up to now, we have owned 24 authorized patents and 22 patents under application, covering key technologies of air drying and purification equipment, which effectively guarantees the stability and energy efficiency of our products. We have passed ISO9001 and QS certifications, and our products comply with international industrial standards, with dew point ranging from -23°C to -70°C, air treatment capacity of 1~500Nm<sup>3</sup>/min, and outlet oil content as low as 0.003PPM, reaching the industry-leading precision level.

We boast a comprehensive and diverse product portfolio, covering more than 60 product categories, including 21 standard products and a variety of non-standard customized products that lead the industry. Our main products include air compressors and their accessories, air receivers, refrigerated dryers (including plate heat exchanger type, high-temperature air-cooled type, DC inverter type, etc.), adsorption dryers, combined dryers, heat of compression adsorption dryers, filters, zero-air-consumption blower-heated dryers, self-cleaning air filters, compressed air pre-cooling units, low-temperature high-pressure nitrogen pre-cooling units, industrial chillers, oil-water separators, oil removers and aftercoolers, etc.. We support 12 types of product configurations such as air-cooled/water-cooled, fluorine-free/high-temperature, inverter/explosion-proof, and can provide intelligent solutions such as industrial computer and programmable control according to customer needs.

With excellent product quality and professional service, we have won wide recognition in the global market. Our customers are distributed in more than 20 countries and regions around the world, including Brazil, Australia, etc., and we have established in-depth cooperation with more than 20 OEM manufacturers and 2299 brand agents. Our annual output reaches 9,682 sets, and the cumulative sales volume exceeds 100,000 sets, which fully demonstrates the market influence and customer trust in our brand.

Customer-centricity is our consistent service philosophy. We provide a full-cycle service system from pre-sales design, in-sales installation to after-sales maintenance: we promise 30-minute response, 24-hour online guidance and 48-hour on-site service, and ensure spare parts supply response within 24 hours, effectively solving the worries of customers in product use. We are committed to tailoring the most suitable compressed air purification solutions for customers in more than 30 industries such as power, aerospace, electronics, and chemical industry, helping enterprises reduce energy consumption, improve production efficiency and product quality.

Looking forward to the future, Demargo will continue to increase R&D investment, accelerate technological innovation, expand the global market layout, and strive to become a world-class provider of compressed air purification and energy-saving solutions. We sincerely look forward to cooperating with partners from all over the world to jointly promote the development of the global industrial energy-saving and environmental protection industry!

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