

HIGH PRESSURE COMPRESSED AIR FILTERS

TRYCOMP High Pressure Compressed Air Filters are specially designed for compressed air applications where high-pressure compressors are used to boost the air pressure up to 50 bar limits.

The high endurance and reliable HQM / HPM / HCM Series filters are compatible with almost all high-pressure compressed air applications and are suitable for all compressors.

TRYCOMP high-pressure air filters 50 bar are manufactured from anticorrosive and high-endurance aluminum alloy using precise metalworking methods without welding.

All filter elements are silicone-free. Optionally, stainless steel can be used in the element bodies to ensure compliance with the most sensitive processes.

The filters are anodized to provide maximum corrosion resistance and extended life cycles. All models are equipped with a standard manual drain.



TRYCOMP HQM series:

- * General filter - Primary filter
- * Particle filtration: diameter up to 0.1 microns.
- * Oil vapor filtration: 0.1 mg/m³ at a maximum temperature of 80°C.
- * Highly efficient in anti-particle and oil vapor filtration.

TRYCOMP HPM series:

- * Fine filter - Secondary filter
- * Particle filtration: diameter up to 0.01 microns.
- * Oil vapor filtration: 0.01 mg/m³ at a maximum temperature of 80°C.
- * Highly efficient in anti-dust and oil vapor filtration.

TRYCOMP HCM series:

- * Activated carbon filter
- * Odor filter - only used in combination with and after the HQM series.
- * Oil vapor filtration: 0.003 mg/m³
- * Do not use in saturated oil vapor environments.
- * Maximum operating temperature: 30°C. Maximum element replacement period: 1000 hours.

*** Cannot remove certain gases, including carbon monoxide and carbon dioxide.**



INDUSTRIAL COMPRESSED AIR & GAS SOLUTIONS

TRYCOMP HP AIR FILTERS TECHNICAL SPECIFICATIONS (HQM)

| FILTER MODEL | FLOW FLOW | | CONNECTION SIZE | WORKING TEMP. | | WORKING PRES. | | INTAKE ELEMENT CHANGING | | | |
|--------------|-----------|------------|-----------------|---------------|------|---------------|-------|-------------------------|---------------|-------|----------|
| | M3/HOUR | LT. / MIN. | | MAX. | MIN. | MAX. | MIN. | SUPPLIER ELEMENT MODEL | ELEMENT MODEL | HOUR | ΔP (bar) |
| HQM050 | 300 | 5,000 | 1/2" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF050 | HQMC050 | 3,500 | 0.7 |
| HQM100 | 600 | 10,000 | 3/4" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF100 | HQMC100 | 3,500 | 0.7 |
| HQM150 | 900 | 15,000 | 1" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF150 | HQMC150 | 3,500 | 0.7 |
| HQM200 | 1,201 | 20,017 | 1" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF200 | HQMC200 | 3,500 | 0.7 |
| HQM280 | 1,650 | 27,500 | 1 1/2" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF280 | HQMC280 | 3,500 | 0.7 |
| HQM430 | 2,550 | 42,500 | 2" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF430 | HQMC430 | 3,500 | 0.7 |
| HQM500 | 3,000 | 50,000 | 2 1/2" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF500 | HQMC500 | 3,500 | 0.7 |

TRYCOMP HP AIR FILTERS TECHNICAL SPECIFICATIONS (HPM)

| FILTER MODEL | FLOW FLOW | | CONNECTION SIZE | WORKING TEMP. | | WORKING PRES. | | INTAKE ELEMENT CHANGING | | | |
|--------------|-----------|------------|-----------------|---------------|------|---------------|-------|-------------------------|---------------|-------|----------|
| | M3/HOUR | LT. / MIN. | | MAX. | MIN. | MAX. | MIN. | SUPPLIER ELEMENT MODEL | ELEMENT MODEL | HOUR | ΔP (bar) |
| HPM050 | 300 | 5,000 | 1/2" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF050 | HPMC050 | 3,500 | 0.7 |
| HPM100 | 600 | 10,000 | 3/4" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF100 | HPMC100 | 3,500 | 0.7 |
| HPM150 | 900 | 15,000 | 1" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF150 | HPMC150 | 3,500 | 0.7 |
| HPM200 | 1,200 | 20,000 | 1" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF200 | HPMC200 | 3,500 | 0.7 |
| HPM280 | 1,650 | 27,500 | 1 1/2" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF280 | HPMC280 | 3,500 | 0.7 |
| HPM430 | 2,550 | 42,500 | 2" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF430 | HPMC430 | 3,500 | 0.7 |
| HPM500 | 3,000 | 50,000 | 2 1/2" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF500 | HPMC500 | 3,500 | 0.7 |

TRYCOMP HP AIR FILTERS TECHNICAL SPECIFICATIONS (HCM)

| FILTER MODEL | FLOW FLOW | | CONNECTION SIZE | WORKING TEMP. | | WORKING PRES. | | INTAKE ELEMENT CHANGING | | | |
|--------------|-----------|------------|-----------------|---------------|------|---------------|-------|-------------------------|---------------|-------|----------|
| | M3/HOUR | LT. / MIN. | | MAX. | MIN. | MAX. | MIN. | SUPPLIER ELEMENT MODEL | ELEMENT MODEL | HOUR | ΔP (bar) |
| HCM050 | 300 | 5,000 | 1/2" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF050 | HCMC050 | 3,500 | 0.7 |
| HCM100 | 600 | 10,000 | 3/4" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF100 | HCMC100 | 3,500 | 0.7 |
| HCM150 | 900 | 15,000 | 1" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF150 | HCMC150 | 3,500 | 0.7 |
| HCM200 | 1,202 | 20,033 | 1" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF200 | HCMC200 | 3,500 | 0.7 |
| HCM280 | 1,650 | 27,500 | 1 1/2" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF280 | HCMC280 | 3,500 | 0.7 |
| HCM430 | 2,550 | 42,500 | 2" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF430 | HCMC430 | 3,500 | 0.7 |
| HCM500 | 3,000 | 50,000 | 2 1/2" | 80 C° | 2 C° | 50 Bar | 2 Bar | EHPF500 | HCMC500 | 3,500 | 0.7 |

INDUSTRIAL COMPRESSED AIR & GAS SOLUTIONS

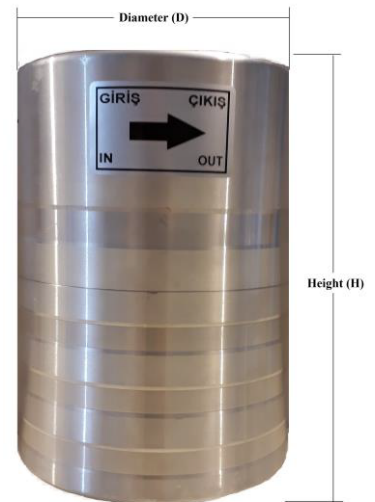
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|------------------------|------|------|------|------|------|------|------|
| CORR. FACTOR | 2,43 | 1,96 | 1,65 | 1,41 | 1,24 | 1,12 | 1,00 |
| Operating Press. (Bar) | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| Operating Press. (PSI) | 290 | 363 | 435 | 507 | 580 | 653 | 725 |

HPF SERIES FILTER ELEMENTS PERFORMANCE TABLE

| AIRMASTER HP Element Series | Partical Filtration | Oil Vapor Filtration | Nom. Pres. Loss (Clean&Dry) | Max Operating Temperature | Max Element Change Time |
|-----------------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------|
| HQM | 0.1 micron | 0.1 mg/m ³ | 0.08 bar | 80 C° | 3.500 hrs |
| HPM | 0.01 micron | 0.01 mg/m ³ | 0.1 bar | 80 C° | 3.500 hrs |
| HCM | - | 0.003 mg/m ³ | 0.1 bar | 30 C° | 6 MONTHS |

High Pressure Filter Dimensions

| MODEL | Connection | Capacity (m ³ /hr) | Capacity (lt/min) | Diameter (mm) D | Height (mm) H |
|----------------|------------|-------------------------------|-------------------|-----------------|---------------|
| HQM/HPM/HCM020 | 1/4" | 120 | 2.000 | 118 | 155 |
| HQM/HPM/HCM050 | 1/2" | 300 | 5.000 | 118 | 165 |
| HQM/HPM/HCM100 | 3/4" | 600 | 10.000 | 118 | 210 |
| HQM/HPM/HCM150 | 1" | 900 | 15.000 | 139 | 260 |
| HQM/HPM/HCM200 | 1" | 1.200 | 20.000 | 139 | 330 |
| HQM/HPM/HCM280 | 1 1/2" | 1.650 | 27.500 | 139 | 380 |
| HQM/HPM/HCM430 | 2" | 2.550 | 42.500 | 158 | 400 |
| HQM/HPM/HCM500 | 2 1/2" | 3.000 | 50.000 | 180 | 400 |



Your vision is our commitment.

Reach out to us today, to explore the great possibilities.

A brand by **ARNIKA**
—COMPANY—

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