



# Smart and Simple Compressed Air Solution

MSS 4-75KW Screw Compressors  
MDS 10-260 Refrigerant Dryers



## Smart technical advantages

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- This image shows the internal components of the control cabinet. Three numbered callouts identify key parts: 1 points to the main power switch, 2 points to the terminal block, and 3 points to the fan unit.

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- A close-up view of the boiler unit. Callout 2 points to the blue gas supply pipe entering the unit. Callout 4 points to the blue water supply pipe entering the unit.

- ## Technical data

| Model      |  |  |     |  |     |        |  |  |  |  |            |             |
|------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|-----|--------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------|-------------|
|            | Max. Pressure                                                                       | Motor                                                                               |     | Capacity                                                                            |     |        | Noise                                                                               | Weight                                                                               | Connection                                                                            | Dimension                                                                             |            |             |
|            | Bar (G)                                                                             | kW                                                                                  | HP  | l/s                                                                                 | cfm | m³/min | dB±2                                                                                | kg                                                                                   | G                                                                                     | Length (mm)                                                                           | Width (mm) | Height (mm) |
| MSS 4 TM   | 10                                                                                  | 4                                                                                   | 5   | 9.04                                                                                | 19  | 0.51   | 68                                                                                  | 200                                                                                  | ½"                                                                                    | 1540                                                                                  | 751        | 1473        |
| MSS 5.5 TM | 10                                                                                  | 5.5                                                                                 | 7.5 | 11.4                                                                                | 24  | 0.65   | 68                                                                                  | 230                                                                                  | ½"                                                                                    | 1540                                                                                  | 751        | 1473        |
| MSS 7.5    | 8                                                                                   | 7.5                                                                                 | 10  | 18                                                                                  | 40  | 1.1    | 68                                                                                  | 235                                                                                  | ½"                                                                                    | 650                                                                                   | 650        | 890         |
|            | 10                                                                                  | 7.5                                                                                 | 10  | 14                                                                                  | 30  | 0.85   |                                                                                     |                                                                                      |                                                                                       |                                                                                       |            |             |
| MSS 11     | 8                                                                                   | 11                                                                                  | 15  | 27                                                                                  | 60  | 1.6    | 70                                                                                  | 235                                                                                  | ¾"                                                                                    | 650                                                                                   | 850        | 930         |
|            | 10                                                                                  | 11                                                                                  | 15  | 20                                                                                  | 45  | 1.2    |                                                                                     |                                                                                      |                                                                                       |                                                                                       |            |             |
| MSS 15     | 8                                                                                   | 15                                                                                  | 20  | 34.5                                                                                | 75  | 2.0    | 70                                                                                  | 235                                                                                  | ¾"                                                                                    | 650                                                                                   | 850        | 930         |
|            | 10                                                                                  | 15                                                                                  | 20  | 30.6                                                                                | 65  | 1.8    |                                                                                     |                                                                                      |                                                                                       |                                                                                       |            |             |
| MSS 18.5   | 8                                                                                   | 18.5                                                                                | 25  | 51                                                                                  | 110 | 3.0    | 70                                                                                  | 345                                                                                  | 1"                                                                                    | 710                                                                                   | 740        | 1275        |
|            | 10                                                                                  | 18.5                                                                                | 25  | 42                                                                                  | 95  | 2.5    |                                                                                     |                                                                                      |                                                                                       |                                                                                       |            |             |
| MSS 22     | 8                                                                                   | 22                                                                                  | 30  | 58.1                                                                                | 125 | 3.3    | 70                                                                                  | 350                                                                                  | 1"                                                                                    | 710                                                                                   | 740        | 1275        |
|            | 10                                                                                  | 22                                                                                  | 30  | 49                                                                                  | 105 | 2.8    |                                                                                     |                                                                                      |                                                                                       |                                                                                       |            |             |
| MSS 30     | 7                                                                                   | 30                                                                                  | 40  | 86.1                                                                                | 185 | 4.9    | 75                                                                                  | 500                                                                                  | 1"                                                                                    | 860                                                                                   | 850        | 1345        |
|            | 10                                                                                  | 30                                                                                  | 40  | 65.1                                                                                | 140 | 3.7    |                                                                                     |                                                                                      |                                                                                       |                                                                                       |            |             |
| MSS 37     | 7                                                                                   | 37                                                                                  | 50  | 94                                                                                  | 205 | 5.6    | 75                                                                                  | 530                                                                                  | 1"                                                                                    | 860                                                                                   | 850        | 1345        |
|            | 10                                                                                  | 37                                                                                  | 50  | 89                                                                                  | 185 | 5.3    |                                                                                     |                                                                                      |                                                                                       |                                                                                       |            |             |
| MSS 45     | 7                                                                                   | 45                                                                                  | 60  | 116                                                                                 | 250 | 6.96   | 75                                                                                  | 650                                                                                  | 1 ½"                                                                                  | 1320                                                                                  | 970        | 1380        |
|            | 10                                                                                  | 45                                                                                  | 60  | 93                                                                                  | 200 | 5.58   |                                                                                     |                                                                                      |                                                                                       |                                                                                       |            |             |
| MSS 55     | 7                                                                                   | 55                                                                                  | 75  | 150                                                                                 | 320 | 8.60   | 78                                                                                  | 875                                                                                  | 2"                                                                                    | 1574                                                                                  | 1159       | 1718        |
|            | 10                                                                                  | 55                                                                                  | 75  | 116                                                                                 | 245 | 6.90   |                                                                                     |                                                                                      |                                                                                       |                                                                                       |            |             |
| MSS 75     | 7                                                                                   | 75                                                                                  | 100 | 205                                                                                 | 425 | 11.90  | 79                                                                                  | 1107                                                                                 | 2"                                                                                    | 1574                                                                                  | 1159       | 1718        |
|            | 10                                                                                  | 75                                                                                  | 100 | 161                                                                                 | 340 | 9.61   |                                                                                     |                                                                                      |                                                                                       |                                                                                       |            |             |

# MDS REFRIGERANT AIR DRYERS

Mark is the largest air dryer manufacturer in the world with a 49-year legacy of serving various industries. Our dryers have a capacity starting from 0.36 kW. With an easy-to-operate on/off controller, 3-in-1 heat exchanger and a durable

refrigerant with environment-friendly gases, we guarantee energy efficiency and longer runtime. Mark air dryers have ISO 9001, ISO 14001 quality assurance.

## Mark MDS refrigerated compressed air dryer

### 1. Refrigerant compressor

Driven by an electric motor, cooled using refrigerant fluid and protected against thermal overload

### 2. Refrigerant condenser

Air-cooled and with a large exchange surface for efficient thermal exchange

### 3. Motor-driven fan

For the condenser cooling air flow

### 4. Air/refrigerant evaporator

With high thermal exchange and low leakage

### 5. Condensate separator

High-efficiency separator for optimum performance

### 6. Air-air exchanger

With high thermal exchange and low load losses

### 7. On/off switch

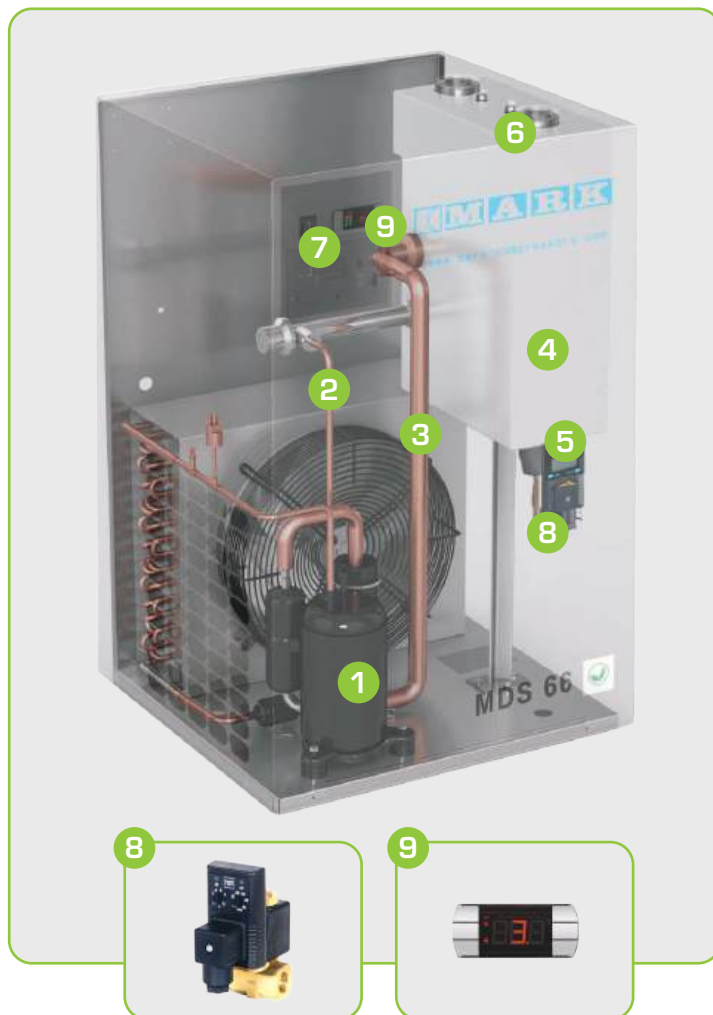
Reliable simple on/off switch to turn on and off the dryer

### 8. Automatic discharge of condensate

User adjustable, timer solenoid drain, reliable and timely, proven design

### 9. Control panel

Indicates all relevant information



| Model   |               |          |       |        |       |            |            |             |            |             |        | Refrigerant |
|---------|---------------|----------|-------|--------|-------|------------|------------|-------------|------------|-------------|--------|-------------|
|         | Max. Pressure | Capacity |       |        | Motor | Electrical | Connection | Dimension   |            |             | Weight |             |
|         | Bar (G)       | I/S      | cfm   | m³/min | kW    | V/Ph/Hz    | G          | Length (mm) | Width (mm) | Height (mm) | kg     |             |
| MDS 10  | 13            | 16.6     | 36.3  | 1.0    | 0.21  | 230/1/50   | ¾"         | 362         | 430        | 446         | 30     | R134a       |
| MDS 13  | 13            | 21.6     | 46.9  | 1.3    | 0.36  | 230/1/50   | ¾"         | 550         | 370        | 704         | 30     | R134a       |
| MDS 21  | 13            | 36.0     | 74.1  | 2.1    | 0.36  | 230/1/50   | ¾"         | 550         | 370        | 704         | 34     | R134a       |
| MDS 40  | 13            | 66.6     | 141.2 | 4.0    | 0.70  | 230/1/50   | 1"         | 520         | 500        | 809         | 55     | R410A       |
| MDS 66  | 13            | 110.0    | 233.0 | 6.6    | 0.96  | 230/1/50   | 1 ½"       | 520         | 500        | 809         | 60     | R410A       |
| MDS 85  | 13            | 141.6    | 300.2 | 8.5    | 0.98  | 230/1/50   | 1 ½"       | 550         | 600        | 958         | 68     | R410A       |
| MDS 105 | 13            | 176.0    | 370.8 | 10.5   | 1.00  | 230/1/50   | 2"         | 550         | 600        | 958         | 75     | R410A       |
| MDS 140 | 13            | 233.3    | 494.4 | 14.0   | 1.67  | 230/1/50   | 2"         | 900         | 750        | 1009        | 110    | R410A       |
| MDS 175 | 13            | 291.6    | 618.0 | 17.5   | 1.75  | 230/1/50   | 2"         | 900         | 750        | 1009        | 126    | R410A       |
| MDS 220 | 13            | 366.3    | 776.6 | 22.0   | 2.86  | 230/1/50   | 2 ½"       | 1050        | 660        | 1130        | 140    | R410A       |
| MDS 260 | 13            | 433.0    | 917.8 | 26.0   | 2.96  | 230/1/50   | 2 ½"       | 1050        | 660        | 1130        | 162    | R410A       |



# FULL FILTER RANGE

Allowing unclean or contaminated compressed air to enter your air network poses several risks. In almost all applications, this can cause a considerable decrease in performance as well as an increase in maintenance costs, both related to actual repairs as well as a loss in productivity. Mark's innovative filters are engineered to cost-effectively provide the best air quality and meet today's ever increasing quality demands. They are fully developed and tested according to ISO standards.

## Components

- |                                      |                                   |                            |
|--------------------------------------|-----------------------------------|----------------------------|
| 1. High-efficiency glass fiber media | 4. Double O-ring leak free design | 7. Protection paper shield |
| 2. SS filter core for high strength  | 5. Epoxy sealed caps              | 8. Internal ribs support   |
| 3. Oil & dust filter media           | 6. Robust construction            |                            |



## UNPARALLELED EXPERTISE



Availability



Reliability



Partnership



Safety



Serviceability



Simplicity

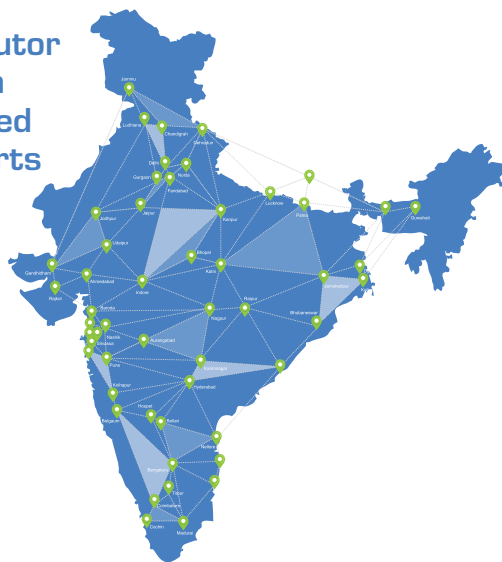


Quality



More savings

Wide distributor  
network with  
factory-trained  
service experts



Care. Trust. Efficiency.

**MARK**

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