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BUILDING  
THE FUTURE

**hertz**<sup>®</sup>  
KOMPRESSOREN



Downstream Equipment

# About us

Hertz Kompresoren is one of the leading brands of Dalgakiran Group Company since 2005.

For more than 50 years of experience, Dalgakiran Group have designed, manufactured and supplied reciprocating and rotary screw compressors, downstream equipment by using the most modern and intelligent manufacturing techniques.

Today Hertz kompresoren products are known more than hundred countries with its superior reliability and quality.

Hertz Kompresoren is always striving to create and manufacture products of the highest quality, for worldwide customer satisfaction and offer creative, sophisticated, and pragmatic solutions to its clients for their many challenges.

The background of the entire page is a grayscale photograph of an industrial factory interior. It shows a high ceiling with a complex network of metal beams and several large industrial lamps. In the lower portion, there are conveyor belts and various mechanical components. A horizontal band across the middle of the image is tinted with a solid green color.

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# BUILDING THE FUTURE



# Downstream Equipment



- ▶ HRD US Series
- ▶ HRD HP Series
- ▶ HMD Series
- ▶ HGO Series
- ▶ HF Series
- ▶ HHGO Series
- ▶ HG WS Series

## Refrigerated Type Air Dryers

# HRD US Series

HRD US 10 / 20 / 30 / 40 / 50 / 60 / 70 / 80 / 90 / 100 / 110 / 120 / 130 /  
140 / 150 / 160 / 170 / 180 / 190 / 200 / 210 / 220 / 230 / 240 / 250 / 260

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## Refrigerated Type HRD US Compressed Air Dryers

- 37 °F pressure dew point
- Very Low Pressure Drop
- Designed for Tropical Conditions
- Dryer easily runs at 140 °F Max. Inlet Temp. and 122 °F Ambient Temp. due to R134a refrigerant (all through the range) and oversized condenser.

## Compact Design

As the canopy of the dryer is designed not to leave any unused space inside, HRD US series air dryers cover minimal space where they are placed.

## Energy Saving Device

Digital Controller with a lot of economy features and alarm capabilities is standard for all 3Ph dryers (HRD US 140 and up)

## Aluminum Heat Exchanger is Standard (From HRD US 40)

Very Low Pressure Drop (1.45 psig)

Very Efficient (37 °F real pressure dew point)

## Scroll Compressors (from HRD US 120)

Scroll Compressors which are energy efficient and durable against liquid shocks are employed.

## Easy to Access

Easy to access in to the cooling components in seconds by the help of Screw free panels and plastic handles.



## Electrical wires are separated from Refrigerant Side

No electrical wires inside the refrigerant side of the dryer. Electrical Box has an external cover which has an access from the outside of the dryer. No need to open dryer panels to go in to electrical box.

# SPECIFICATIONS

| Type       | Capacity** |      | Connection Size | Refrigerant | Maximum working pressure |      | Maximum ambient temperature |     | Maximum Inlet temperature |     | Filter Quantity and Type | Dimensions (in.) |       |        | Weight (lbs) |
|------------|------------|------|-----------------|-------------|--------------------------|------|-----------------------------|-----|---------------------------|-----|--------------------------|------------------|-------|--------|--------------|
|            | m³/min     | cfm  |                 |             | Bar                      | Psig | °C                          | °F  | °C                        | °F  |                          | Width            | Depth | Height |              |
| HRD US 10  | 0.28       | 10   | 1/2"            | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | 1 * HGKO50MX+MY          | 16               | 14    | 22     | 71           |
| HRD US 20  | 0.42       | 15   | 1/2"            | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | 1 * HGKO50MX+MY          | 16               | 14    | 22     | 71           |
| HRD US 30  | 0.71       | 25   | 1/2"            | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | 1 * HGKO50MX+MY          | 16               | 14    | 22     | 71           |
| HRD US 40  | 1.13       | 40   | 3/4"            | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | 1 * HGKO150MX+MY         | 19               | 18    | 33     | 112          |
| HRD US 50  | 1.70       | 60   | 3/4"            | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | 1 * HGKO150MX+MY         | 19               | 18    | 33     | 117          |
| HRD US 60  | 2.26       | 80   | 3/4"            | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | 1 * HGKO150MX+MY         | 19               | 18    | 33     | 121          |
| HRD US 70  | 2.80       | 100  | 1 1/2"          | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | 1 * HGKO500MX+MY         | 22               | 20    | 34     | 172          |
| HRD US 80  | 3.54       | 125  | 1 1/2"          | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | 1 * HGKO500MX+MY         | 22               | 20    | 34     | 183          |
| HRD US 90  | 4.25       | 150  | 1 1/2"          | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | 1 * HGKO500MX+MY         | 22               | 20    | 34     | 190          |
| HRD US 100 | 5.66       | 200  | 2"              | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | 1 * HGKO851MX+MY         | 27               | 26    | 46     | 353          |
| HRD US 110 | 7.08       | 250  | 2"              | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | 1 * HGKO1210MX+MY        | 27               | 26    | 46     | 364          |
| HRD US 120 | 9.91       | 350  | 2"              | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | 1 * HGKO1210MX+MY        | 37               | 29    | 54     | 485          |
| HRD US 130 | 14.16      | 500  | 2"              | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | 1 * HGKO1210MX+MY        | 37               | 29    | 54     | 507          |
| HRD US 140 | 16.10      | 600  | 3"              | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | 1 * HGKO1820MX+MY        | 37               | 31    | 57     | 595          |
| HRD US 150 | 21.24      | 750  | 3"              | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | 1 * HGKO1820MX+MY        | 37               | 31    | 57     | 628          |
| HRD US 160 | 28.32      | 1000 | 3"              | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | 1 * HGKO2700MX+MY        | 46               | 31    | 68     | 864          |
| HRD US 170 | 33.98      | 1200 | 3"              | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | 1 * HGKO2700MX+MY        | 46               | 31    | 68     | 904          |
| HRD US 180 | 92.48      | 1500 | FLG 4"          | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | Not Included             | 55               | 33    | 70     | 1085         |
| HRD US 190 | 49.55      | 1750 | FLG 4"          | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | Not Included             | 55               | 33    | 70     | 1146         |
| HRD US 200 | 63.71      | 2250 | FLG 4"          | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | Not Included             | 58               | 42    | 76     | 1534         |
| HRD US 210 | 73.62      | 2600 | FLG 4"          | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | Not Included             | 58               | 42    | 76     | 1583         |
| HRD US 220 | 84.95      | 3000 | FLG 6"          | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | Not Included             | 86               | 42    | 76     | 1984         |
| HRD US 230 | 99.11      | 3500 | FLG 6"          | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | Not Included             | 86               | 42    | 76     | -            |
| HRD US 240 | 113.27     | 4000 | FLG 6"          | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | Not Included             | 106              | 35    | 78     | -            |
| HRD US 250 | 127.42     | 4500 | FLG 8"          | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | Not Included             | 106              | 35    | 78     | -            |
| HRD US 260 | 155.74     | 5500 | FLG 8"          | R-134a      | 16                       | 232  | 50                          | 122 | 60                        | 140 | Not Included             | 100              | 61    | 83     | 3527         |

\* HERTZ KOMPRESSOREN reserves its rights to change the specifications without any prior notice.

\*\* Capacity is given at atmospheric pressure at 68 °F (ISO 1217) in accordance with norms ISO 7183-8573-1 and Pneurop 6611- Class 58-100 psig 95 °F IN 77 °F ambient.

## CORRECTION FACTORS FOR HRD AIR DRYERS:

| Pressure psig          | 51   | 59   | 73   | 100  | 115  | 123  | 145  | 174  |
|------------------------|------|------|------|------|------|------|------|------|
| F1                     | 0.75 | 0.77 | 0.85 | 1.00 | 1.06 | 1.10 | 1.16 | 1.25 |
| Inlet Temperature °F   | 84   | 90   | 95   | 100  | 109  | 120  | 129  | 140  |
| F2                     | 1.20 | 1.14 | 1.08 | 1.00 | 0.75 | 0.60 | 0.50 | 0.45 |
| Ambient Temperature °F | 61   | 79   | 90   | 100  | 104  | 109  | 115  | 120  |
| F3                     | 1.12 | 1.08 | 1.06 | 1.00 | 0.96 | 0.90 | 0.80 | 0.65 |

Example for choosing the correct HRD US air dryer model;

If a compressor delivers 118 cfm at 123 psi, the dryer inlet temperature is 120 °F and the ambient temperature is 109 °F please choose your dryer as follows;

Dryer Capacity/200/1.10/0.60/0.9 =198 cfm.  
The correct dryer model for this application is HRD US 90.

## Refrigerated Type High Pressure Air Dryers

# HRD HP Series

HRD 33 HP / 38 HP / 54 HP / 87 HP / 135 HP / 190 HP / 218 HP  
256 HP / 355 HP / 412 HP / 461 HP / 577 HP / 705 HP / 904 HP  
1149 HP / 1305 HP / 1648 HP / 1873 HP / 2309 HP / 2444 HP / 2932 HP



## Refrigerated Type High Pressure Compressed Air Dryers

Durable, compact and efficient Hertz dryers will soon become the global standard for performance. Heat-Exchanger design is unique and patented. The Mono-Block Heat-Exchangers are constructed with thick, steel tubes specially treated to resist corrosion.

The heavy-duty steel construction makes it the most reliable, long lasting heat exchanger available. Specially designed louvered copper plates are welded to the steel tubes with a proprietary technology. This design achieves a hyper efficient 100 % contact between the air and refrigerant circuits delivering state-of-art performance and great cooling efficiency.

The state-of-the-art Mono-Block design features very low differential pressure delivering real energy savings. The Mono-Block Heat-Exchanger is compact and allows the dryer to be smaller and reducing the space required for the dryer. Hertz offers a variety of Mono-Block dryers equipped with the Mono-Block Heat-Exchanger to meet a full range of capacity and power requirements.

Maximum Pressure: HRD 33 HP - HRD 412 HP / 725 psig  
HRD 461 HP - HRD 2932 HP / 653 psig

Maximum Temperature: Inlet air 158 °F  
Ambient 140 °F

Automatic Drain / Timed Drain  
Pneumatic operated membrane valve (2)

### OPTIONS:

- Condensate drain
- Ambient temperature until - 4 °F
- Ambient temperature until 140 °F
- Water condenser
- Digital controller
- Micro processor
- Zero loss drain

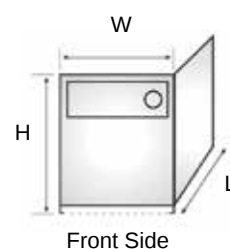
## SPECIFICATIONS

| TYPE        | FLOW (*) |      | CONDENSER<br>AIR FLOW<br>m³/min | POWER<br>kw | FITTINGS<br>NTP | DIMENSIONS (in.) |      |      |
|-------------|----------|------|---------------------------------|-------------|-----------------|------------------|------|------|
|             | m³/min   | cfm  |                                 |             |                 | W                | L    | H    |
| HRD 33 HP   | 0.55     | 19   | 100                             | 0.25        | 3/8"            | 14.1             | 19.7 | 18.1 |
| HRD 38 HP   | 0.63     | 22   | 370                             | 0.25        | 3/8"            | 14.1             | 19.7 | 18.1 |
| HRD 54 HP   | 0.90     | 32   | 340                             | 0.25        | 3/8"            | 14.1             | 19.7 | 18.1 |
| HRD 87 HP   | 1.45     | 51   | 370                             | 0.28        | 3/4"            | 16               | 25.5 | 19.5 |
| HRD 135 HP  | 2.25     | 79   | 340                             | 0.35        | 3/4"            | 16               | 25.5 | 19.5 |
| HRD 190 HP  | 3.17     | 112  | 410                             | 0.58        | 3/4"            | 16               | 25.5 | 19.5 |
| HRD 218 HP  | 3.63     | 128  | 800                             | 0.66        | 3/4"            | 16               | 25.5 | 19.5 |
| HRD 256 HP  | 4.27     | 151  | 980                             | 0.8         | 1"              | 19               | 26.5 | 28   |
| HRD 355 HP  | 5.92     | 209  | 980                             | 1.1         | 1"              | 19               | 26.5 | 28   |
| HRD 412 HP  | 6.87     | 242  | 980                             | 1.3         | 1"              | 19               | 26.5 | 28   |
| HRD 461 HP  | 7.68     | 271  | 980                             | 1.1         | 1 1/2"          | 26.4             | 21.7 | 38.8 |
| HRD 577 HP  | 9.62     | 339  | 980                             | 1.3         | 1 1/2"          | 29.3             | 27.4 | 48.6 |
| HRD 705 HP  | 11.75    | 415  | 980                             | 1.4         | 1 1/2"          | 29.3             | 27.4 | 48.6 |
| HRD 904 HP  | 15.07    | 532  | 2250                            | 1.9         | 1 1/2"          | 29.3             | 27.4 | 48.6 |
| HRD 1149 HP | 19.15    | 676  | 2250                            | 2.4         | 2 1/2"          | 31.5             | 27.6 | 56.7 |
| HRD 1305 HP | 21.75    | 768  | 2250                            | 2.6         | 2 1/2"          | 31.5             | 27.6 | 56.7 |
| HRD 1648 HP | 27.47    | 969  | 2250                            | 2.6         | 2 1/2"          | 31.5             | 27.6 | 56.7 |
| HRD 1873 HP | 31.22    | 1102 | 5000                            | 3           | 2 1/2"          | 38.4             | 44   | 60.5 |
| HRD 2309 HP | 38.48    | 1358 | 4800                            | 4.3         | 2 1/2"          | 38.4             | 44   | 60.5 |
| HRD 2444 HP | 40.73    | 1438 | 7000                            | 5           | 2 1/2"          | 38.4             | 44   | 60.5 |
| HRD 2932 HP | 48.87    | 1725 | 7000                            | 5.6         | 2 1/2"          | 38.4             | 44   | 60.5 |

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REFRIGERANT: R134a between HRD 33 HP and HRD 1873 HP, R404a between HRD 2309 HP and HRD 2932 HP

(\*) Flow given at atmospheric pressure at 68 °F (ISO 1217) in accordance with normes ISO 7183 - 8573-1 and Pneurop 6611 - Class 58-100 psig 95 °F IN 77 °F ambient.



### CORRECTION FACTORS FOR HRD HP SERIES

| PRESSURE psig          | 290  | 362  | 435  | 508  | 580  | 653 | 725  | -    | -    | -    | -    |
|------------------------|------|------|------|------|------|-----|------|------|------|------|------|
| F1                     | 1.19 | 1.10 | 1.07 | 1.04 | 1.02 | 1   | 0.98 | -    | -    | -    | -    |
| AMBIENT TEMPERATURE °F | -    | -    | -    | -    | 68   | 77  | 86   | 95   | 104  | 108  | -    |
| F2 (R134a)             | -    | -    | -    | -    | 0.93 | 1   | 1.07 | 1.15 | 1.22 | 1.27 | -    |
| (R404a)                | -    | -    | -    | -    | -    | 1   | 1.11 | 1.23 | 1.30 | 1.35 | -    |
| INLET TEMPERATURE °F   | -    | -    | -    | -    | 86   | 95  | 104  | 113  | 122  | 131  | 140  |
| F3                     | -    | -    | -    | -    | 0.83 | 1   | 1.18 | 1.38 | 1.59 | 1.83 | 2.04 |

## Modular Desiccant Air Dryers

# HMD Series

HMD 3 / 5 / 10 / 15 / 20 / 25 / 30 / 40 / 50 / 60 / 75 / 100 / 120 / 180 / 240

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### HERTZ Modular HMD Desiccant Air Dryers

The light weight modular design of the new dryer series brings a whole new concept in compressed air technology, offering total installation flexibility to meet specific needs. Hertz's new Modular Desiccant Dryers are less than the half the weight and size of a traditional twin tower design, allowing even the largest models to be easily moved through a standard doorway. Hertz's innovative Modular Air Dryers make it easier and more affordable than ever to deliver high-quality compressed air for virtually wherever it's needed. Offered in a wide range of sizes from 2,94 cfm to 236 cfm, with the dew points of - 40 °F to - 94 °F, they are packed with everything you need, requiring only air inlet/outlet connections. Hertz proudly offers one of the lowest pressure drop desiccant dryer in the world by the help of highly engineered inlet valve and purge manifold design.

- Small footprint, lightweight, advanced compact design
- Corrosion protected aluminum construction
- Hassle-free, reliable electronic controls
- Can be floor, bench or wall mounted
- Quite enough to be placed in any work environment
- Easy installation, easy maintenance

The new Modular Desiccant Dryers combo proven traditional dryer principles with the latest technology to provide unsurpassed efficiency, flexibility and world-renowned Hertz reliability for your critical dry air applications.



## SPECIFICATIONS

| MODEL   | INLET FLOW RATE |     | Inlet - Outlet<br>Connection Size | Filter Quality And Type | DIMENSIONS (in.) |       |        | WEIGHT<br>lbs |
|---------|-----------------|-----|-----------------------------------|-------------------------|------------------|-------|--------|---------------|
|         | m³/min          | cfm |                                   |                         | Length           | Width | Height |               |
| HMD 3   | 0.08            | 3   | 1/2"                              | 1*HGKO20MX+MY+MP        | 12.6             | 13.2  | 22     | 31            |
| HMD 5   | 0.17            | 5   | 1/2"                              | 1*HGKO20MX+MY+MP        | 12.6             | 13.2  | 25     | 41            |
| HMD 10  | 0.33            | 10  | 1/2"                              | 1*HGKO20MX+MY+MP        | 12.6             | 13.2  | 35.5   | 59            |
| HMD 15  | 0.42            | 15  | 1/2"                              | 1*HGKO25MX+MY+MP        | 14.5             | 13.8  | 31.8   | 68            |
| HMD 20  | 0.58            | 20  | 1/2"                              | 1*HGKO50MX+MY+MP        | 14.5             | 13.8  | 43.6   | 92            |
| HMD 25  | 0.75            | 25  | 1/2"                              | 1*HGKO50MX+MY+MP        | 14.5             | 13.8  | 49.5   | 105           |
| HMD 30  | 0.83            | 30  | 1/2"                              | 1*HGKO50MX+MY+MP        | 14.5             | 13.8  | 59.4   | 118           |
| HMD 40  | 1.17            | 40  | 1 1/2"                            | 1*HGKO100MX+MY+MP       | 16.1             | 19.5  | 49.2   | 156           |
| HMD 50  | 1.42            | 50  | 1 1/2"                            | 1*HGKO100MX+MY+MP       | 16.1             | 19.5  | 55.1   | 171           |
| HMD 60  | 1.67            | 60  | 1 1/2"                            | 1*HGKO100MX+MY+MP       | 16.1             | 19.5  | 68.8   | 202           |
| HMD 75  | 2.17            | 75  | 1 1/2"                            | 1*HGKO150MX+MY+MP       | 17               | 24.5  | 51.1   | 264           |
| HMD 100 | 2.80            | 100 | 1 1/2"                            | 1*HGKO150MX+MY+MP       | 17               | 24.5  | 58     | 292           |
| HMD 120 | 3.33            | 120 | 1 1/2"                            | 1*HGKO150MX+MY+MP       | 17               | 24.5  | 68.8   | 334           |
| HMD 180 | 5.00            | 180 | 1 1/2"                            | 1*HGKO200MX+MY+MP       | 16.1             | 28.9  | 59     | 409           |
| HMD 240 | 6.67            | 240 | 1 1/2"                            | 1*HGKO250MX+MY+MP       | 16.1             | 35    | 59     | 517           |

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## Coalescing Line Filters With Indicator

# HGO Series

HGO 25 / 50 / 100 / 150 / 200 / 250 / 300 / 500 / 600 /  
851 / 1210 / 1520 / 1820 / 2220 / 2700

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## Filters

The compressed air coming from compressor may contain unwanted elements such as oil, dust and humidity. The air in the external environment will also affect the quality of the final product. This air must be filtered prior to the final stage of production.

## Hertz Compressed Line Filters

Hertz Compressed Line Filters have been designed to answer the current requirements of compressed air filtering. It enables more comfortable usage for end user better endurance, higher efficiency with lower pressure drop and more port size options.

## Features

The line filters have 4 ranges of efficiencies, 235 psi (16barg) - 1/4" to 3" NPT/BSP pipe sizes. A protected auto float drain (2mm orifice) is standard for reliable removal of liquid contaminants. Zero-porosity aluminum and durable epoxy powder-coat finish, along with a corrosion resistant internal coating gives long service life. Filter combinations are configured to meet specific application requirements. Filter comply with PED and perform as per related ISO 8573 standards.

These filters are equipped with differential pressure gauges for easy maintenance and energy efficiency.



### Element Features

Hertz offers Superior protection - from 1 micron to 0.01 micron. Durable element construction and efficient drain layer ensures continued performance after optimal element change.



- 1- Deep pleating also enables a lower pressure drop
- 2- Supreme collapse resistance due to usage of fluted stainless tube provides strength against pressure drops while improving the performance by passing air diagonally through the element.
- 3- PVC impregnated foam favors Water / Oil drainage

## SPECIFICATIONS

| Model    | Connection Sizes | Flow Rate |      | Max. working pressure PSI | Element Model | Housing Dimensions (in.) |      |      |     |
|----------|------------------|-----------|------|---------------------------|---------------|--------------------------|------|------|-----|
|          |                  | m³/min    | cfm  |                           |               | A                        | B    | C    | D   |
| HGO 25   | 1/2"             | 0.42      | 15   | 232                       | MO25          | 4                        | 8.5  | 7.5  | 1.7 |
| HGO 50   | 1/2"             | 0.83      | 30   | 232                       | MO50          | 4                        | 8.5  | 7.5  | 1.7 |
| HGO 100  | 1/2"             | 1.67      | 59   | 232                       | MO100         | 4                        | 10   | 9    | 1.7 |
| HGO 150  | 1"               | 2.50      | 88   | 232                       | MO150         | 4.8                      | 11.7 | 10.6 | 1.7 |
| HGO 200  | 1"               | 3.33      | 118  | 232                       | MO200         | 4.8                      | 14.3 | 13.1 | 1.7 |
| HGO 250  | 1"               | 4.17      | 147  | 232                       | MO250         | 4.8                      | 15.8 | 14.6 | 1.7 |
| HGO 300  | 1 1/2"           | 5.00      | 176  | 232                       | MO300         | 4.8                      | 18   | 16.6 | 1.7 |
| HGO 500  | 1 1/2"           | 8.33      | 294  | 232                       | MO500         | 4.8                      | 18   | 17.8 | 1.7 |
| HGO 600  | 1 1/2"           | 10.00     | 353  | 232                       | MO600         | 4.8                      | 21   | 19.6 | 1.7 |
| HGO 851  | 2"               | 14.18     | 500  | 232                       | MO851         | 6.3                      | 24.5 | 22.9 | 1.7 |
| HGO 1210 | 2"               | 20.17     | 712  | 232                       | MO1210        | 6.3                      | 27.2 | 25.6 | 1.7 |
| HGO 1520 | 3"               | 25.17     | 895  | 232                       | MO1520        | 7.6                      | 28.5 | 26.3 | 1.7 |
| HGO 1820 | 3"               | 30.17     | 1070 | 232                       | MO1820        | 7.6                      | 34   | 31.8 | 1.7 |
| HGO 2220 | 3"               | 36.83     | 1305 | 232                       | MO2220        | 7.6                      | 36.2 | 34   | 1.7 |
| HGO 2700 | 3"               | 45.00     | 1588 | 232                       | MO2700        | 7.6                      | 41.9 | 39.6 | 1.7 |

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**DRAIN TYPE:** Electro - adjustable / External float type / Zero-loss drain / Manual

| Specifications                          | Pre Filtering | General Purpose | Oil Removal | Activated Carbon |
|-----------------------------------------|---------------|-----------------|-------------|------------------|
| Grade                                   | P             | X               | Y           | A                |
| Particle Removal (Micron)               | 5             | 1               | 0.01        | 0.01             |
| Max. Oil carryover at 70 °F (mg/m³)     | 5             | 0.5             | 0.01        | 0.003            |
| Max. working temperature (°F)           | 176           | 176             | 176         | 77               |
| Initial pressure loss (psig)            | 0.58          | 1.16            | 1.45        | 1.16             |
| Pressure loss for element change (psig) | 10.15         | 10.15           | 10.15       | 10.15            |
| Element colour code                     | GREEN         | BLUE            | RED         | METAL SS         |

|                           |     |      |      |     |      |      |      |      |      |
|---------------------------|-----|------|------|-----|------|------|------|------|------|
| Operating Pressure (barg) | 1   | 3    | 5    | 7   | 9    | 11   | 13   | 15   | 16   |
| PSIG                      | 15  | 44   | 73   | 100 | 131  | 160  | 189  | 218  | 247  |
| Correction Factor         | 0.5 | 0.71 | 0.87 | 1   | 1.12 | 1.22 | 1.32 | 1.44 | 1.57 |

### NOTES

- 1) Grade A must not operate in oil saturated conditions.
- 2) Grade A elements should be replaced periodically to suit the applications but must be changed at least every six months.
- 3) Grade A will not remove certain gases including carbon monoxide and carbon dioxide. Please refer to works if in doubt.
- 4) Flow rates are based on a 7 bar / 100 psig operating pressure, for flows at other pressures use correction factor given above.
- 5) All filters are suitable for use with mineral and synthetic oils.
- 6) Gauge type pressure indicators are fitted to models HGO 25 to HGO 2700 as standard.
- 7) All filters are in conformity with the Pressure Equipment Directive (97/23/EC)

### ORDERING

The complete filter model number contains the size and grade, example - 1" general purpose filter model HGO 250 MX with replacement filter element model M 250 X. 250 Represent 147 cfm capacity and x represents the general purpose element.



### Correction Factor

For maximum flow rate, multiply model flow rate show in the above table by the correction factor corresponding to the working pressure.

## Flanged Filters

# HF Series

HF 2400 / 3600 / 4800 / 7200 / 9600 / 12000 /  
16800 / 19200 / 20400 / 27600 / 33600

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KOMPRESSOREN

## Filters

The compressed air coming from the compressor may contain unwanted elements such as oil, dust and humidity. The air in the external environment will also affect the quality of the final product. This air must be filtered prior to the final stage of production.



## Flanged Housing Range Features

- Elements are assembled by the help of a tie rod System.
- Two external float drains for excellent drainage
- Unique design for pre-separation zone
- Strong welded design
- CE and ASME tanks available
- Design for easy element change from top flange



## External Float Drain

Hertz External Drain is designed to remove liquid condensation from collection points in a Compressed Air System. Durable epoxy powder-coat finish and corrosion-resistant internal anodized coating for long service life.



# SPECIFICATIONS

| Model    | Drain Port Size | Inlet / Outlet Port Size | Flow Rate            |       | Element Model | Number of Elements | Housing Dimensions (in.) |      |      |      |      |
|----------|-----------------|--------------------------|----------------------|-------|---------------|--------------------|--------------------------|------|------|------|------|
|          |                 |                          | m <sup>3</sup> /min. | cfm   |               |                    | A                        | B    | C    | D    | E    |
| HF 2400  | 1/2"            | 3"                       | 40                   | 1413  | M1200         | 2                  | 17.7                     | 50.7 | 10.9 | 29.4 | 25.6 |
| HF 3600  | 1/2"            | 4"                       | 60                   | 2119  | M1200         | 3                  | 17.7                     | 51.9 | 10.9 | 30.2 | 25.6 |
| HF 4800  | 1/2"            | 4"                       | 80                   | 2825  | M1200         | 4                  | 20.9                     | 52.9 | 11.0 | 30.3 | 25.6 |
| HF 7200  | 1/2"            | 6"                       | 120                  | 4238  | M1200         | 6                  | 22.8                     | 56.1 | 13.0 | 30.3 | 25.6 |
| HF 9600  | 1/2"            | 6"                       | 160                  | 5650  | M1200         | 8                  | 25.6                     | 56.7 | 13.1 | 31.4 | 25.6 |
| HF 12000 | 1/2"            | 8"                       | 200                  | 7063  | M1200         | 10                 | 29.5                     | 59.2 | 13.6 | 32.5 | 25.6 |
| HF 16800 | 1/2"            | 8"                       | 280                  | 9888  | M1200         | 14                 | 31.5                     | 60.8 | 15.1 | 32.8 | 25.6 |
| HF 19200 | 1/2"            | 10"                      | 320                  | 11301 | M1200         | 16                 | 33.5                     | 62.3 | 16.4 | 33.9 | 25.6 |
| HF2 0400 | 1/2"            | 12"                      | 340                  | 12007 | M1200         | 17                 | 33.5                     | 66.1 | 17.6 | 34.9 | 25.6 |
| HF 27600 | 1/2"            | 14"                      | 460                  | 16245 | M1200         | 23                 | 33.5                     | 70.0 | 19.2 | 36.1 | 25.6 |
| HF 33600 | 1/2"            | 14"                      | 560                  | 19776 | M1200         | 28                 | 33.5                     | 70.0 | 19.2 | 36.1 | 25.6 |

1. HERTZ KOMPRESSOREN reserves its rights to change the specifications without any prior notice.

**DRAIN TYPE:** Electro - adjustable / External float type / Zero-loss drain / Manual

| Specifications                          | Pre Filtering | General Purpose | Oil Removal | Activated Carbon |
|-----------------------------------------|---------------|-----------------|-------------|------------------|
| Grade                                   | P             | X               | Y           | A                |
| Particle Removal (Micron)               | 5             | 1               | 0.01        | 0.01             |
| Max. Oil carryover at 70 °F (mg/m3)     | 5             | 0.5             | 0.01        | 0.03             |
| Max. working temperature (°F)           | 176           | 176             | 176         | 77               |
| Max. working pressure                   | 16            | 16              | 16          | 16               |
| Initial pressure loss (psig)            | 0.58          | 1.16            | 1.45        | 1.16             |
| Pressure loss for element change (psig) | 10.15         | 10.15           | 10.15       | 10.15            |
| Element colour code                     | GREEN         | BLUE            | RED         | METAL SS         |

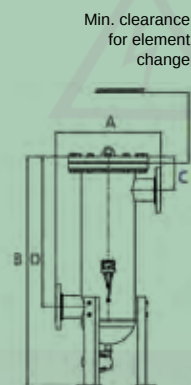
## Correction Factor

For maximum flow rate, multiply model flow rate show in the below table by the correction factor corresponding to the working pressure.

| Operating Pressure (barg) | 1   | 3    | 5    | 7   | 9    | 11   | 13   | 15   | 16   |
|---------------------------|-----|------|------|-----|------|------|------|------|------|
| PSIG                      | 15  | 44   | 73   | 100 | 131  | 160  | 189  | 218  | 247  |
| Correction Factor         | 0.5 | 0.71 | 0.87 | 1   | 1.12 | 1.22 | 1.32 | 1.44 | 1.57 |

### NOTES

- 1) Grade A must not operate in oil saturated conditions.
- 2) Grade A elements should be replaced periodically to suit the applications but must be changed at least every six months.
- 3) Grade A will not remove certain gases including carbon monoxide and carbon dioxide. Please refer to works if in doubt.
- 4) Flow rates are based on a 100 psig operating pressure, for flows at other pressures use correction factor given above.
- 5) All filters are suitable for use with mineral and synthetic oils.
- 6) Other standards for flanged connections are available.
- 7) Direction of air flow, inside to out, through filter element



## High Pressure Airline Filters

# HHGO Series

HHGO 100 / 300 / 600 / 850 / 1200 / 1600 / 2500

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## Filters

The compressed air coming from the compressor may contain unwanted elements such as oil, dust and humidity. The air in the external environment will also affect the quality of the final product. This air must be filtered prior to the final stage of production.

## High Pressure Line Filters Features

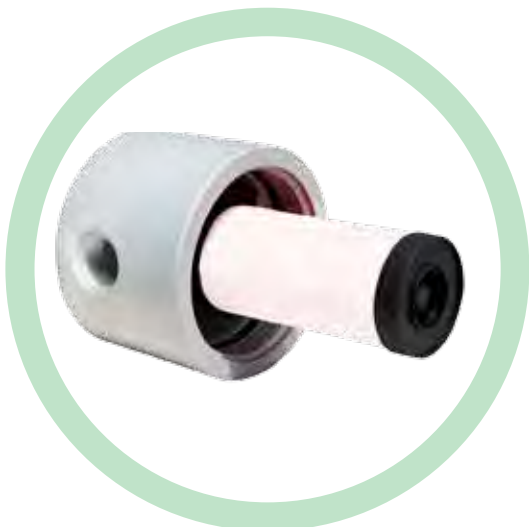
Hertz manufactures a line of High Performance Compressed Air Filters, Moisture Separators in two different range;

1) 725 psig Range made of Aluminum, No welding, strong and reliable design.

2) 5076 psig Range made of Steel. No welding, and very reliable for High Pressure applications.

## Anodized Aluminum Design with High Performance

Hertz High Pressure Range Compressed Air Filters are no welded design. As a result it is very strong and robust. Very thick wall thickness and In-house high pressure test facilities assure the performance. All inner and outer surfaces of 725 psig Aluminum design Filters are anodized, where 5076 psig Carbon Steel design Filters are epoxy electro powder painted.



## SPECIFICATIONS

| Model     | Connection Size | Flow Rate at 50 bar |      | Max. working pressure bar | Element Model | Housing Dimensions (in.) |      |      |       |
|-----------|-----------------|---------------------|------|---------------------------|---------------|--------------------------|------|------|-------|
|           |                 | m³/min              | cfm  |                           |               | A                        | B    | C    | D     |
| HHGO 100  | 1/4"            | 1.18                | 42   | 50                        | M25           | 4.46                     | 4.54 | 1.01 | 6.10  |
| HHGO 300  | 1/2"            | 3.53                | 125  | 50                        | M50           | 4.46                     | 4.54 | 1.01 | 6.24  |
| HHGO 600  | 3/4"            | 7.08                | 250  | 50                        | M100          | 4.31                     | 4.54 | 1.27 | 8.15  |
| HHGO 850  | 1"              | 9.92                | 350  | 50                        | M150          | 5.24                     | 5.43 | 1.47 | 9.84  |
| HHGO 1200 | 1"              | 14.17               | 500  | 50                        | M200          | 5.24                     | 5.43 | 1.47 | 12.36 |
| HHGO 1600 | 1 1/2"          | 26.67               | 940  | 50                        | M250          | 5.04                     | 5.43 | 1.75 | 14.49 |
| HHGO 2500 | 2"              | 41.67               | 1470 | 50                        | M2500         | 6.22                     | 5.43 | 2.03 | 15.47 |

1. HERTZ KOMPRESSOREN reserves its rights to change the specifications without any prior notice.

| Specifications                                       | Pre Filtering | General Purpose | Oil Removal | Activated Carbon |
|------------------------------------------------------|---------------|-----------------|-------------|------------------|
| Grade                                                | P             | X               | Y           | A                |
| Particle Removal (Micron)                            | 5             | 1               | 0.01        | 0.01             |
| Max. Oil carryover at 70 °F (mg/m³)                  | 5             | 0.5             | 0.01        | 0.003            |
| Max. working pressure (bar)* / *350 bar is an option | 50            | 50              | 50          | 50               |
| Max. working temperature (°F)                        | 176           | 176             | 176         | 77               |
| Initial pressure loss (psig)                         | 0.58          | 1.16            | 1.45        | 1.6              |
| Pressure loss for element change (psig)              | 10.15         | 10.15           | 10.15       | 10.15            |
| Element colour code                                  | GREEN         | BLUE            | RED         | METAL SS         |

### NOTES

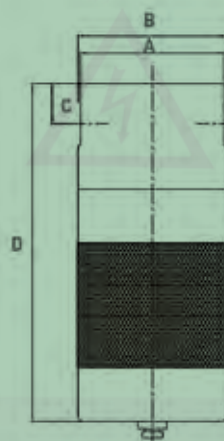
- 1) Grade A must not operate in oil saturated conditions.
- 2) Grade A elements should be replaced periodically to suit the applications but must be changed at least every six months.
- 3) Grade A will not remove certain gases including carbon monoxide and carbon dioxide. Please refer to works if in doubt.
- 4) All filters are suitable for use with mineral and synthetic oils.
- 5) The above housings require only one filter element.
- 6) Direction of air flow, inside to out, through filter element. Except grade A
- 7) Manual drain is standard. Electronic timer is optional.

### ORDERING

The complete filter model number contains the size and grade, Example - 1/4" general purpose filter model HHGO 100 MX with replacement filter element model M 25 X.

#### DRAIN TYPE

Manual with steel



## Water Separators

# HG WS Series

HG 25 WS / 100 WS / 200 WS / 300 WS / 600 WS / 1200 WS / 2200 WS

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## Water Separators

Hertz water separators have been designed for the removal of bulk liquid water and particulate from compressed air and gases. Unique centrifugal action removes contaminants with low-pressure drop for energy savings. Hertz water separators are available in 1/4" - 3" NPT pipe sizes for flows up to 1294 cfm (2200m<sup>3</sup>/h). While highly efficient, condensate separators will not remove 100 % of the oil from the air stream. Additional coalescing and particulate filters downstream are normally required to remove the final traces of oil, water and particles, which migrate through the separator.



## SPECIFICATIONS

| Model      | Connection Size | Flow Rate           |      | Housing Dimensions (in.) |       |       |       |
|------------|-----------------|---------------------|------|--------------------------|-------|-------|-------|
|            |                 | m <sup>3</sup> /min | cfm  | A                        | B     | C     | D     |
| HG 25 WS   | 1/4"            | 0.42                | 14   | 4.02                     | 10.12 | 9.25  | 6.10  |
| HG 100 WS  | 1/2"            | 1.67                | 58   | 4.02                     | 10.12 | 9.25  | 7.87  |
| HG 200 WS  | 3/4"            | 3.33                | 117  | 4.84                     | 11.02 | 9.96  | 10.63 |
| HG 300 WS  | 1"              | 5.00                | 176  | 4.84                     | 11.02 | 9.67  | 14.57 |
| HG 600 WS  | 1 1/2"          | 10.00               | 353  | 4.84                     | 11.61 | 10.22 | 18.11 |
| HG 1200 WS | 2"              | 20.00               | 706  | 6.30                     | 18.94 | 17.32 | 22.24 |
| HG 2200 WS | 3"              | 36.67               | 1294 | 7.64                     | 21.54 | 19.31 | 2.03  |

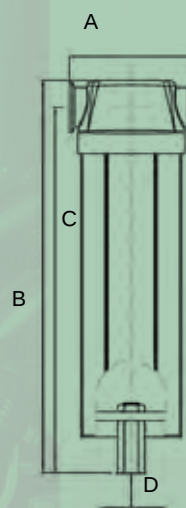
1. HERTZ KOMPRESSOREN reserves its rights to change the specifications without any prior notice.

### Correction Factor

For maximum flow rate, multiply model flow rate show in the above table by the correction factor corresponding to the working pressure.

| Operating Pressure (barg) | 1   | 3    | 5    | 7   | 9    | 11   | 13   | 15   | 16   |
|---------------------------|-----|------|------|-----|------|------|------|------|------|
| PSIG                      | 15  | 44   | 73   | 100 | 131  | 160  | 189  | 218  | 232  |
| Correction Factor         | 0.5 | 0.71 | 0.87 | 1   | 1.12 | 1.22 | 1.32 | 1.44 | 1.57 |

|                                             |           |
|---------------------------------------------|-----------|
| Operating Recommended Operating Temperature | 176 °F    |
| Minimum Recommended Operating Temperature   | 35 °F     |
| Typical Pressure Loss at Rated Flow         | 0.72 psig |
| Maximum Working Pressure                    | 232 psig  |



#### Notes:

Automatic drain valves are fitted as standard. All separator bodies are coated with electrostatic powder paint finish both inside and out side.

[www.hertz-kompressoren.com](http://www.hertz-kompressoren.com)



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