Hankison™

Desiccant Compressed Air Drying System

HDF Series

4 to 43 scfm
(7 to 73 nm^3/h)

Optimal Performance

Removing water, oil, and dirt from compressed air will increase the output and add to your bottom line.

- Produce pressure dew points as low as -40°F (-40°C)
- Rugged powder-painted, corrosion-resistant aluminum housing which can be installed in-line
- Charge of silica gel desiccant adsorbs moisture from the compressed air
- Desiccant change-out indicator offers convenient monitoring of desiccant condition
- Desiccant change-out indicator turns color from blue to white
- Integrated 15 micron cleanable dust filter
- Optional HDF-F Oil Pre-filtration Package:
  > HF Series Grade 5 oil filter to 0.01 ppm (0.01 mg/m^3) remaining oil content

Increase Your Return On Investment

Paint rejects create significant costs to body shops in labor, materials, and through-put delays. These costs can be eliminated by installing an HDF Series air treatment system. The savings in the purchase of extra unthinned color-coat paints, thinners, and hardeners will rapidly repay the investment.

Calculate the Cost of Paint Rejects

Cost of Labor Materials & Through-Put Delays	Paint Rejects Per Week	Number of Weeks	Cost of Paint Rejects Per Year
$150	1	52	$7,800
$150	2	52	$15,600
$200	1	52	$10,400
$200	2	52	$20,800

Product Specifications

How it Works:

Contaminated compressed air enters the oil prefilter housing and flows from the inside of the element to the outside of the element. The filter element should be changed when the filter element change-out indicator changes from the color green to the color red during usage. Water and oil condensate fall to the bottom of the housing where it is discharged by the automatic drain. The filtered compressed air exits the filter outlet port. The compressed air enters the desiccant dryer housing and flows downward through a bed of silica gel desiccant. As the desiccant bed gets saturated, the color of the desiccant change-out indicator changes from blue to white. At the bottom of the housing, the compressed air flows upwards through an integrated dust filter and into an outlet air stem which takes it to the outlet port of the dryer housing.

Model	Flow Capacity scfm (nm³/h)						In/Out Connection	Dimensions in		Weight	Optional Oil Prefiltration Package
	80 psig	5.5 barg	100 psig	6.7 barg	150 psig	10.3 barg	in	W	H	lbs	
HDF1	4	7	5	9	7	12	1/4	4	13	13	HDF1-F
HDF2	8	14	10	17	14	24	1/4	4	12	15	HDF2-F
HDF3	16	27	20	34	29	49	1/2	4	20	20	HDF3-F
HDF4	25	42	30	51	43	73	1/2	4	28	23	HDF4-F

-Maximum Operating Pressure 200 psig (13.7 barg), Maximum Operating Temperature 125°F (52°C)
-Models HDF1-F, HDF2-F, HDF3-F use filter Model HF5-12-4DPL.
-Model HDF4-F uses filter Model HF5-16-4DPL.
-Mounting bracket part no. 23.4331-01 and modular connecting kit part no. 23.4280.01 are used on all HDF-F models
NOTE: Dimensions and weights are for reference only. Request certified drawings for construction purposes.

Silica Gel Desiccant Charges

Model	Silica Gel lbs	Kit Number	Replacement Silica Gel Kit
HDF1	1	HSG1	Two x 1.0 lb bags
HDF2	2	HSG2	Two x 2 lb bags
HDF3	4	HSG3	Four x 2 lb bags
HDF4	6	HSG4	Six x 2 lb bags

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Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing. Please contact your local sales representative for product availability in your region.

Hankison Headquarters
4647 SW 40th Avenue
Ocala, Florida 34474-5788 U.S.A.
Tel.: (724) 745-1555
Fax: (724) 745-6040

Hankison Rental
Washington, PA 15301
Tel.: (724) 225-1470
Fax: (724) 222-1317

Pasadena, TX 77507
Tel.: (800) 379-3711

hankisonair.com

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