

Air Treatment

Single Tower Desiccant Dryer



Dry air

KAESER's KDF series single tower desiccant air dryer significantly lowers compressed air dew points. With a simple flow-through design, the dryer economically produces pressure dew points as low as -40°F (-40°C).

The KDF's modular design allows the user to easily install the required pre-filter. The KDF is ideally suited for point of use applications needing small volumes of extremely dry air.

Economical

The KDF is a very affordable and economical compressed air dryer that requires no electricity. The silica gel desiccant can be reused which reduces operating costs. Simply bake the silica gel in an oven for the prescribed time and temperature to regenerate the desiccant.

Operation

Compressed air enters the desiccant dryer housing and flows downward through the bed of silica gel desiccant. As the desiccant bed becomes saturated, the color of the desiccant indicator changes from blue to white. In the bottom of the housing, the compressed air flows upwards through an integrated dust filter and into an outlet tube where it is directed to the discharge port of the dryer housing.

Standard Features:

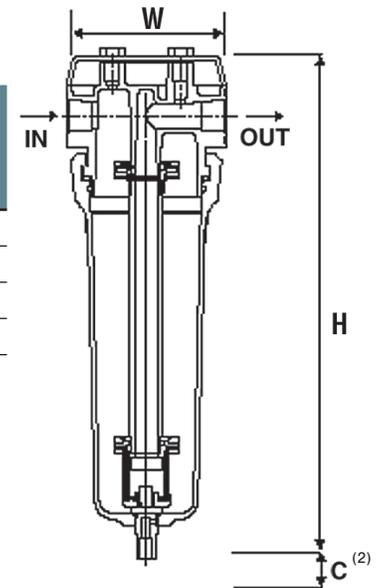
- Moisture indicator - signals the need to replace desiccant (changes from blue to white)
- Re-usable silica gel desiccant
- Easy to read change-out indicator
- Rugged design
- Wide range of sizes

Applications:

- Industrial paint booths
- Body shops
- Point of use
- Intermittent air uses

Technical specifications

Model	Flow @ 100 psig (scfm)	In/Out Connection (in.)	scf @ 100°F inlet temp.	Dimensions W x H (in.)	Weight (lbs.)	KOR Coalescing Prefilter*	Replacement Desiccant Kit
KDF 1	5	1/4	2500	4 1/4 x 12 5/8	13	KOR 20	KSG1
KDF 2	10		5000	4 1/4 x 12	15		KSG2
KDF 3	20	1/2	10,000	4 1/4 x 20 1/4	19.5		KSG3
KDF 4	30		15,000	4 1/4 x 28	22.5	KOR 35	KSG4



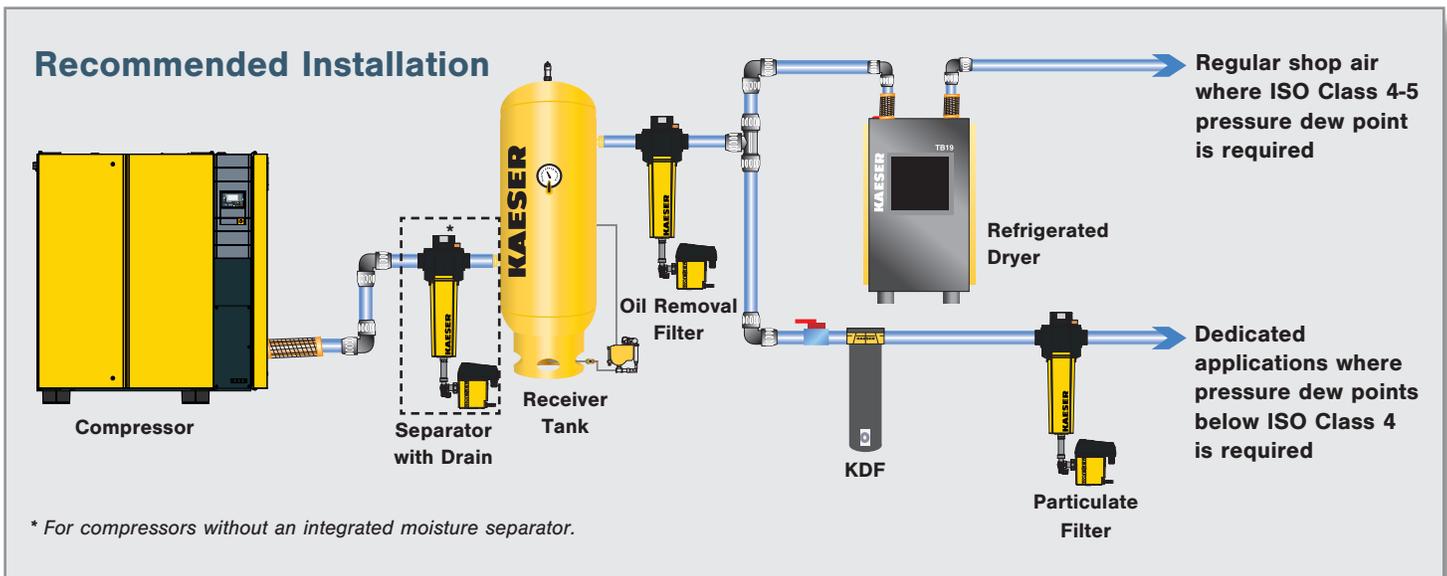
Maximum operating pressure: 200 psig; **Maximum operating temperature:** 125°F; **Outlet atmospheric dew point:** -60°F to -15°F.

* Single tower desiccant dryer optional coalescing prefilter is supplied with modular connectors and a mounting bracket. Each replacement desiccant kit contains two complete changes of desiccant.⁽¹⁾

NOTES: ⁽¹⁾ Operating life at stated flow: 8 Hr., 20 Min.

⁽²⁾ C = Minimum bowl removal clearance is 3 inches for all models.

Specifications are subject to change without notice.



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