

## Specialty Compressed Air Treatment

# High Pressure Filters



### Working pressures up to 1000 psig

HP series high pressure filters provide superior air quality for PET blow molding and other sensitive high pressure applications such as aerospace valve and control testing, pharmaceutical testing and packaging, and injection molding.

Our HP filters are specifically designed to remove liquids, solid particles, oil aerosols, and vapors from compressed air. When installed downstream of a properly sized high pressure refrigerated dryer, the combination of KPF and KOX series effectively remove particulate down to 1 micron particulate and aerosols to 0.001 ppm.

### Suggested PET blow molding air quality specifications

Pressure Dew Point	Max. Solids Particulate	Max. Oil Content
38°F	1 micron	0.001 ppm
ISO 8573.1 Class 4	ISO 8573.1 Class 2	ISO 8573.1 Class 1
HT Series Refrig. Dryer	HP Series KPF Filter	HP Series KOX Filter



PET blow molding

## 5 Filtration Grades

### KFS - Kaeser Filtered Separator

- Liquid Removal: 99+% of water
- Max. Liquid Loading: 25,000 ppm w/w
- Pressure Drop: Dry: 1 psi; Wet: 1.5 psi



### KPF - Kaeser Particulate Filter

- Liquid Removal: 100% of water
- Max. Liquid Loading: 2,000 ppm w/w
- Solid Particle Removal: Nominal 1 micron
- Oil Carry-Over: 1 ppm aerosols
- Pressure Drop: Dry: 1 psi; Wet: 2 psi



### KOR - Kaeser Oil Removal Filter

- Liquid Removal: 99.99+% of oil
- Max. Liquid Loading: 1,000 ppm w/w
- Solid Particle Removal: Nominal 0.01 micron
- Oil Carry-Over: 0.01 ppm aerosols
- Pressure Drop: Dry: 1 psi; Wet: 3 psi



### KOX - Kaeser Oil Removal eXtra Fine Filter

- Liquid Removal: 99.999+% of oil
- Max. Liquid Loading: 100 ppm w/w
- Solid Particle Removal: Nominal 0.01 micron
- Oil Carry-Over: 0.001 ppm aerosols
- Pressure Drop: Dry: 2 psi; Wet: 6 psi



### KVF - Kaeser Vapor Filter

- Liquid Removal: 0%
- Max. Liquid Loading: 0 ppm w/w
- Solid Particle Removal: Nominal 0.01 micron
- Oil Carry-Over: 0.003 ppm vapor
- Pressure Drop: Dry: 1 psi; Wet: N/A



# Technical Specifications

Model	Rated Capacity (scfm)	MWP (psig)	In/Out Conn.	Dimensions W x H (in.)	Weight (lbs.)	Replacement Cartridge*	
530HP	530	1000	1" NPT	4.25 x 15.625	14	XX-530R	
884HP	884					XX-884R	
2210HP	2210					XX-2210R	
2805HP	2805	500	3" NPT	10.25 x 42.38	39	XX-PV	
4000HP	4000	700		10.25 x 40.44	128	XX-PV	
4050HP	4050	450		16 x 46.38	270	XX-500x2	
5060HP	5060			XX-PVx2			
7595HP	7595	650	16.25 x 54.44	294	XX-PVx3		
9900HP	9900	440	4" Flange	20 x 55.5	403	XX-PVx4	
12375HP	12,375				404	XX-PVx5	
16350HP	16,350	360	6" Flange	24 x 56.38	524	XX-PVx8	
20695HP	20,695	330			28 x 63.88	693	XX-PVx11
26340HP	26,340					700	XX-PVx14
28380HP	28,380	260	8" Flange	33 x 66.25	980	XX-PVx19	

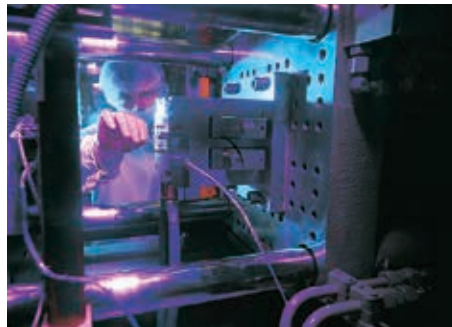
\*XX=Filter grade without the K. e.g. OR-530R

Specifications subject to change without notice.

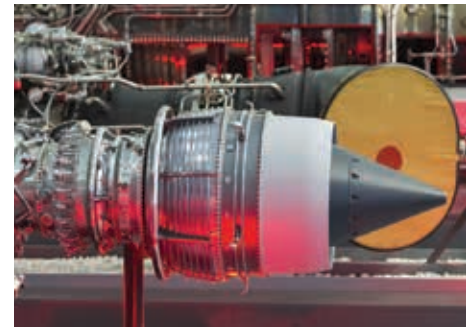
For sizing HP filters, consult your local Kaeser representative.



Pharmaceutical testing and packaging



Injection molding



Aeronautics

# KAESER COMPRESSORS®

Built for a lifetime.



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