

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.)	Housing Type
530HP	530	1000	1" NPT	4.25 x 15.625	14	Bowl Style with Bayonet Connection
884HP	884				24	
2210HP	2210			39		
2805HP	2805	500	3" NPT	10.25 x 42.38	128	Pressure Vessel with Full Access
4000HP	4000			700	10.25 x 40.44	
4050HP	4050	450	3" NPT	16 x 46.38	270	
5060HP	5060			294		
7595HP	7595			650	16.25 x 54.44	
9900HP	9900	440	4" Flange	20 x 55.5	403	
12375HP	12,375				404	
16350HP	16,350	360	6" Flange	24 x 56.38	524	
20695HP	20,695	330		28 x 63.88	693	
26340HP	26,340				700	
28380HP	28,380				260	8" Flange

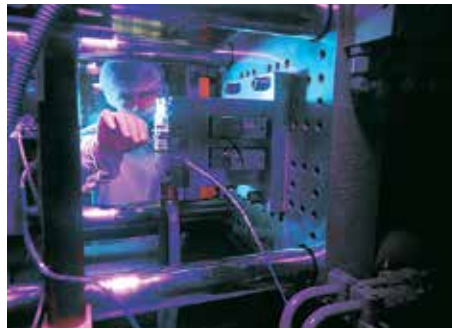
Drain not included; Max temperature: 150°F

Specifications subject to change without notice.

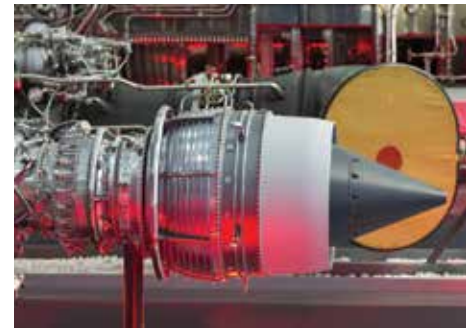
For sizing high pressure filters, contact your local Kaeser representative.



Pharmaceutical testing and packaging



Injection molding



Aeronautics



Kaeser Compressors, Inc.
 511 Sigma Drive
 Fredericksburg, VA 22408 USA
 Telephone: 540-898-5500
 Toll Free: 800-777-7873
 info.usa@kaeser.com

Kaeser Compressors Canada Inc.
 3760 La Vérendrye Street
 Boisbriand, QC J7H 1R5 CANADA
 Telephone: (450) 971-1414
 Toll free: (800) 477-1416
 info.canada@kaeser.com

Kaeser Compresores de México S de RL de CV
 Calle 2 #123
 Parque Industrial Jurídica
 76100 Querétaro, Qro.
 Telephone: 01 (442) 218 64 48
 sales.mexico@kaeser.com

Kaeser Compresores de Guatemala y Cia. Ltda.
 3a calle 6-51, zona 13
 Colonia Pamplona
 01013-Guatemala City
 Telephone: +502 2412-6000
 info.guatemala@kaeser.com

www.kaeser.com