

INDUSTRIAL PNEUMATIC & ELECTRICAL BUYERS GUIDE



2017 - 2018

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PLEASE NOTE:

The Publisher of this “Buyer’s Guide” has made an honest effort to illustrate and describe the products in this catalogue accurately; however, such illustrations and descriptions are for the sole purpose of identification. Information and illustrations in this “Buyer’s Guide” were current at the time of publication.

CONRADER SAFETY VALVES

Safety valves are used to protect compressed air systems from over-pressurization. They are set to non-adjustable pressure settings - at which point the valve will release air to atmosphere. Conrader soft-seat ASME coded safety valves are CRN approved.

NPT SIZE	MODEL NO.	SCFM	PSI SELECTIONS
1/4"	SRV250	31-214	75, 100, 125, 150, 175, 200
1/2"	SRV390	66-449	125, 150, 175, 200
3/4"	SRV530	143-970	125, 150, 175, 200
1"	SRV765	304-2066	125, 150, 175, 200

UV & NB, CRN, ASME Code, Silicone Seal,
Maximum Temperature: 250°



CONRADER IN-TANK CHECK VALVES

Conrader In-Tank Brass Check Valves are a reliable two piece design for preventing downstream backflow in compressed air systems. They incorporate a triple balance flow design for minimal restriction and a patented jam resistant Toro spherical piston design.

MODEL NO.	INLET	OUTLET	SCFM
CTB3812	3/8"	1/2"	20
CTB1212	1/2"	1/2"	20
CTB1234	1/2"	3/4"	30
CTB3434	3/4"	3/4"	30
CTB1034	3/4"	1"	60
CTB1010	1"	1"	60
CTB1414	1-1/4"	1-1/4"	90
CTB1515	1-1/2"	1-1/2"	90

INLET: Female Pipe, Outlet: NPT, 1/8" Unloader Port



CONRADER CAST BRASS IN-LINE CHECK VALVES

Noiseless, dome-shaped, positive seating Teflon® discs for maximum air flow. Valves open at less than 3 PSI yet withstand 250 PSI back pressure and temperatures up to 450°F. Globe body with threaded cap and both ends tapped. All models have 1/8" NPT unloader port.

MODEL NO.	NPT SIZE
CBCV-08	1/8"
CBCV-25	1/4"
CBCV-38	3/8"
CBCV-50	1/2"
CBCV-75	3/4"
CBCV-10	1"
CBCV-12	1-1/4"
CBCV-15	1-1/2"
CBCV-20	2"



CHECK RITE IN-TANK CHECK VALVES

Made of high quality steel that is plated to military specifications and dichromate dipped for pleasing gold appearance. Valve springs are stainless steel and valve poppets are made of tough Teflon® for long life. Both are field replaceable.

MODEL NO.	FEMALE NPT INLET	MALE NPT OUTLET
1238MF-U	3/8"	1/2"
1212MF-U	1/2"	1/2"
3412MF-U	1/2"	3/4"
3434MF-U	3/4"	3/4"
1034MF-U	3/4"	1"
1010MF-U	1"	1"
1414MF-U	1-1/4"	1-1/4"
1515MF-U	1-1/2"	1-1/2"



ALL VALVES HAVE 1/8" NPT UNLOADER PORT

CONRADER IN-LINE CHECK VALVES

These in-line check valves are designed using a rugged single piece brass body. The removable inside core consists of a stainless steel spring, Teflon® poppet and brass guide. This unique and economical design allows the critical parts to be quickly field replaced, if required. Each valve has a 1/8" unloader port.

MODEL NO.	NPT SIZE	HEX	LENGTH
CLB38	3/8"	1-1/8"	2.92"
CLB50	1/2"	1-1/8"	2.92"
CLB75	3/4"	1-5/16"	3.10"
CLB10	1"	1-5/8"	3.50"



CONRADER HEAVY DUTY PILOT CONTROL VALVES

The Conrader heavy-duty RCT unloader pilot valves are made of durable brass construction with stainless steel springs and balls.

MODEL NO.	AVAILABLE SETTINGS (PSI)	NPT SIZE
RCT 95-115	95-115	1/4" x 1/8" NPT x 3/8" (18nc mounting thread)
RCT 145-175	145-175	1/4" x 1/8" NPT x 3/8" (18nc mounting thread)
RCT 210-240	210-240	1/4" x 1/8" NPT x 3/8" (18nc mounting thread)



UNLOADER PILOT VALVES

This precision-made pilot valve is adjustable for both pressure and differential. Valve stems may be lifted for manual start up. Solid brass body with stainless steel spring and ball.

MODEL NO.	AVAILABLE SETTINGS (PSI)	NPT SIZE
PV1418 A	90-110	1/4" x 1/8" NPT
PV1418 B	120-140	1/4" x 1/8" NPT
PV1418 C	155-175	1/4" x 1/8" NPT



CONRADER CONTINUOUS RUN UNLOADER CONTROL

Completely self-contained, continuous run unloader and check valve. When compressed air in the tank has reached the factory preset pressure, the control will unload the air from the pump, pressure drops and the compressed air will be redirected into the tank. Convert any pressure switch control compressor to constant speed unloader type. Factory set to cut-in at 95 PSI and cut-out at 115 PSI.



MODEL NO.	MAX. CFM FLOW RATE	INLET	OUTLET	VENT OUTLET	CONSTRUCTION	DIMENSION L X H
NG-5	23	1/2"	1/2"	3/8"	Forged Brass	4-3/8" x 2-7/8"

MONROE PRESSURE GAUGES

Monroe Pressure Gauges are ideal for continuous service on applications like compressors, pumps, regulators, pipelines, storage tanks and plumbing equipment, as well as for replacements on most commercial and industrial equipment. All connections are made of brass and are male NPT. Monroe Gauges are designed around the “C” type bourdon tube that is among the longest in the industry. This extra length provides a thicker wall for more pressure resistance with little effect on flexibility. The tube material is a copper alloy. Cases are made of steel and lenses are made of plastic.

MODEL NO.	NPT SIZE	RANGE (PSI) & FACE (Dia.)	MOUNT	CONSTRUCTION
MGA152	1/8"	0-200 1.5"	Back	Steel Case
MGA202	1/4"	0-200 2"	Back	Steel Case
MGO253	1/4"	0-300 2.5"	Bottom	Steel Case
MGA253	1/4"	0-300 2.5"	Back	Steel Case



BALL VALVES

The BVT Series Ball Valves are an industrial grade 600 PSI WOG forged brass, lever handled ball valve with rough service in mind. Full ports in all sizes allow for excellent flow characteristics. Lever handled with 1/4 turn stops to facilitate fully opened and fully closed operation.

MODEL NO.	NPT SIZE
BVT-4	1/4"
BVT-6	3/8"
BVT-8	1/2"
BVT-12	3/4"
BVT-16	1"
BVT-20	1-1/4"
BVT-24	1-1/2"
BVT-32	2"



HOFMANN QUICK CHANGE COUPLINGS

Hofmann Quick Change Couplings are manufactured according to specifications with the highest regard for performance and reliability. The industrial interchange series has a steel sleeve and valve, brass barrel and adaptor, stainless spring and ball, and a Buna-N washer. The ARO Compatible series are fabricated of steel with a zinc-plate finish.

MODEL NO.	TYPE	PART	SERIES COUPLING	NPT SIZE
FA2	Female	Body	Ind. Interchange	1/4"
MA2	Male	Body	Ind. Interchange	1/4"
FPA2	Female	Spud	Ind. Interchange	1/4"
MPA2	Male	Spud	Ind. Interchange	1/4"
210-202	Female	Body	Aro Compatible	1/4"
210-205	Male	Body	Aro Compatible	1/4"
2-210	Female	Spud	Aro Compatible	1/4"
5-210	Male	Spud	Aro Compatible	1/4"



PARKER HANNIFIN AUTOMATIC DRIP LEG DRAIN

The Parker Hannifin Model No. 06D3NA Automatic Drip Leg Drain is a very reliable float configuration drain. It incorporates the popular PS506P auto drain kit. It is suggested that a shut-off valve be installed before the drip leg drain to allow servicing without shutting off the air lines.

MODEL NO.	INLET NPT	OUTLET NPT
06D3NA	1/2"	1/8"



ABSORPTIVE SILENCERS (SLCR SERIES)

- Layered sound absorbent media
- Minimal pressure drop because it does not rely on internal baffles, tubes or other restrictive devices
- Reduces high frequency noise up to 30 decibels
(Due to the wide range of applications and machines these units are used on, please inquire for your specific application).

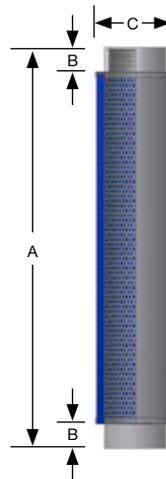
- Inlet or Discharge silencing applications with maximum temperature of 212°F (100°C)
- Durable inline carbon steel construction with baked enamel finish
- For inline air service

APPLICATIONS & EQUIPMENT

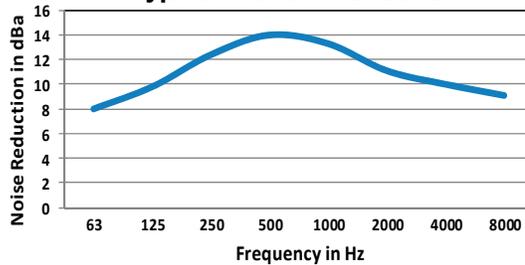
- Small Air Compressors
- Centrifugal Blowers
- Regenerative Blowers
- Vacuum Pumps & Systems
- Vacuum Packaging Equipment
- Vacuum Lifters
- Small Flow Pressure Vents
- Blowers - Side Channel

OPTIONS (inquiries encouraged)

- FPT & MPT Connections 1/2" to 4"
- Flange Adapters
- Larger sizes available



Typical Noise Attenuation



Noise attenuation may vary due to the wide range of applications and machines

MODEL NO.	INLET & OULET	CONNECTION STYLE	DIMENSIONS - INCHES			RATED FLOW SCFM	APPROX WT. LBS.
			A	B	C		
SLCR100	1"	FPT	12	11/16	2-1/2	42	2
SLCR125	1-1/4"	FPT	12	11/16	2-1/2	55	2
SLCR150	1-1/2"	FPT	12	11/16	3-1/8	155	3
SLCR200	2"	FPT	15-3/4	11/16	3-5/8	270	4
SLCR250	2-1/2"	FPT	21	1-1/2	4-5/8	385	8
SLCR300	3"	FPT	26	1-9/16	5-1/8	575	10
SLCR400	4"	FPT	23-7/8	1-11/16	10	575	26
SLCRT050	1/2"	MPT	14-1/2	2	3-1/8	25	2
SLCRT075	3/4"	MPT	14-1/2	2	3-1/8	35	2
SLCRT100	1"	MPT	14-1/2	2	3-1/8	42	2
SLCRT125	1-1/4"	MPT	14-1/2	2	3-1/8	55	2
SLCRT150	1-1/2"	MPT	14	1-3/4	3-1/8	155	3
SLCRT200	2"	MPT	18-1/2	2-1/8	3-5/8	270	4
SLCRT250	2-1/2"	MPT	23-11/16	2-5/8	4-5/8	385	8
SLCRT300	3"	MPT	28	2-5/8	5-1/8	575	10
SLCRT400	4"	MPT	29-5/16	4	10	575	26

Note: Model offerings and design parameters may change without notice. Dimension tolerance +/- 1/4"

LEFOO SERIES PRESSURE SWITCHES

The Lefoo LF10 series of compressed air pressure switches are designed for fractional hp compressors or larger sized compressors in concert with a magnetic starter. They are available with an unloader valve for load-free starting, and with an on-off lever with and without a 4 port support base. The Lefoo LF17 series of compressed air pressure switches are designed for larger compressors. This steel enclosed series allows for them to operate in harsher conditions. They are available with and without an unloader valve. All Lefoo pressure switches are “CSA” approved.



MODEL No.	Factory Setting PSI	NPT Connection	HP rating @115/1/60	HP rating @230/1/60	HP rating @575/3/60	Side Unloader	On/Off Lever	4 Port Base (4 x 1/4")
LF10-1H3	95-125	1/4" Female	2	3	1	X		
LF10-1H3L	95-125	1/4" Female	2	3	1	X	X	
LF10-4H3L	95-125	1/4" Female	2	3	1	X	X	X
LF17	120-150	3/8" Female	2	3	5*			
LF17-1H	120-150	3/8" Female	2	3	5*	X		

* It is advised that even though the rating is 5HP, a magnetic starter is necessary to properly protect the electric motor.

FURNAS PRESSURE SWITCHES

Furnas 69JG & 69HA Pressure Switches are designed for use on air compressors by providing an automatic system of maintaining pressure between the two preset pressure settings. An automatic unloader valve which prevents compressors from starting under load is also available. The two pole double break contacts are silver cadmium oxide. All ferrous metal switch parts are zinc plated and dichromate treated to resist corrosion. Springs are stainless steel.



MODEL No.	TYPE	HP rating @ 115-1	HP rating @ 230-1	HP rating @ 230-3	HP rating @ 575-3	RANGE PSI
69HA1	No Unloader Valve	2	3	5*	5*	115-150
69HAU1	Unloader Valve	2	3	5*	5*	115-150
69JG7Y	Unloader Valve	2	3	5*	1	95-125
69JG7LY	Unloader Valve w/Lever	2	3	5*	1	95-125
69JG8Y	Unloader Valve	2	3	5*	1	115-150

*NOTE: it is advisable that on compressors 5 hp and larger, the pressure switch only be used to signal the magnetic starter.

REPLACEMENT PARTS	
PART No.	TYPE
69DCA	Unloader Valve Replacement Assembly
69DJA	Unloader Valve Replacement Assembly

MAGNETIC MOTOR STARTERS

These Magnetic Motor Starters are a fixed heater starter with adjustable amperage settings. They are assembled into NEMA 1 or NEMA 4 enclosures with an overload reset function. They are designed for remote starting by a pressure switch or thermostat.

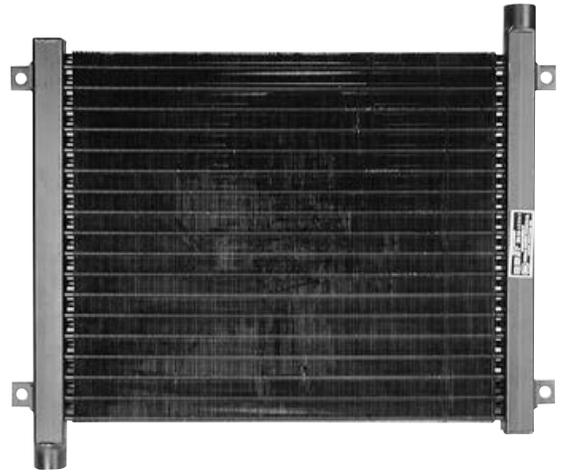


MODEL NO.	HP	VOLTAGE	PHASE
MS5-230-1	5	230	1
MS5-575-3	5	575	3
MS5-230-3*	5	208/230	3
MS7.5-230-1	7.5	230	1
MS7.5-575-3	7.5	575	3
MS7.5-230-3*	7.5	208/230	3
MS10-575-3	10	575	3
MS10-230-3*	10	208/230	3
MS15-575-3	15	575	3
MS15-230-3*	15	208/230	3

* 230 Volt Starters Cannot Be Wired 460 Volt

THERMAL TRANSFER BELT GUARD AFTER-COOLERS

Thermal Transfer Belt Guard after-coolers are ruggedly constructed with steel manifolds, copper tubes and aluminum fins. A unique turbulator inside each cooling tube assures maximum performance in a compact size. Maximum operating pressure is 300 PSIG and maximum operating temperature is 350° F.



MODEL NO.	MAX. SCFM	INLET NPT	OUTLET NPT	DIMENSIONS L x W x H	APPROX. SHIPPING WT. (LBS)
M-15	20	1"	1"	20-3/4" x 1-1/2" x 12-3/4"	8
M-20	35	1"	1"	20-3/4" x 1-1/2" x 16-3/4"	11
M-25	75	1"	1"	26-3/4" x 1-1/2" x 22-3/4"	19
M-30	100	1-1/4"	1-1/4"	25-3/4" x 1-1/2" x 28-3/4"	25

STEEL BRAIDED FLEX LINES

These assemblies are made of single braided stainless steel corrugated hose with schedule 40 carbon steel nipples welded at each end.

MODEL NO.	NPT SIZE	LENGTH	MAX W.P. (PSI)
1/2" FLEX	1/2"	12"	250
3/4" FLEX	3/4"	12"	250
1" FLEX	1"	12"	250
1-1/4" FLEX	1-1/4"	12"	250
1-1/2" FLEX	1-1/2"	12"	250
2" FLEX	2"	12"	250



ASME PRESSURE VESSELS

Designed to accept new or replacement compressors and motor assemblies, these ASME Pressure Vessels meet provincial standards for all commercial and industrial applications. Each tank is built, inspected and tested to meet all standards adopted by ASME, and includes the necessary C.R.N. number. The manufacturer's U-1A data report for pressure vessels, as required by the provisions of the ASME Code Rules, is available for each tank.



HORIZONTAL WITH FEET & TOP-PLATE					
TANK NO.	U.S. GAL.*	SIZE *	CU. FT.	DESIGN PRES. (PSI)	APPROX. SHIPPING WT. (LBS)
H20-3	20	14" X 33"	2.5	200	64
H30-3	30	16" X 38"	4	200	97
H60-3	60	20" X 48"	8	200	190
H80-3	80	20" X 60"	11	200	240
H120-3	120	24" X 68"	16	200	390
H240-3	240	30" X 84"	32	200	707
VERTICAL WITH FEET OR BASE RING & TOP-PLATE					
V30-3	30	16" X 38"	4	200	107
V60-3	60	20" X 48"	8	200	198
V80-3	80	24" X 48"	11	200	250
V120-3	120	30" X 44"	16	200	390
VERTICAL-REMOTE APPLICATION W/FEET OR BASE RING					
V80-2	80	20" X 60"	11	200	190
V120-2	120	24" X 68"	16	200	325
V240-2	240	30" X 84"	32	200	612
V400-2	400	36" X 96"	53	150	835

*Dimensions shown are for the vessel only. Baseplate and leg dimensions are not included.
U.S. Gallon figures are nominal and sizing is at the sole discretion of the pressure vessel manufacturer.

PARKER HANNIFIN AIR LINE FILTERS

Parker Filters protect costly pneumatic equipment by removing up to 99% of the condensed water from the air in the lines. Parker Filters are designed to remove airborne solid contaminants, pipe scale, rust, pipe dope, etc., which may plug small orifices or cause excessive wear and premature failure of pneumatic components. After liquids and large particles are removed in the first stage of filtration, the air flows through the element where smaller particles are filtered out and retained. The filtered air then passes downstream. A 40 micron element is standard.

MODEL NO.	NPT SIZE	SCFM
14F11AC(MINI)	1/4"	24
‡ 06F12AC	1/4"	53
‡ 06F22AC	3/8"	80
‡ 07F32AC	1/2"	130
‡ 07F42AC	3/4"	145
≠ P3NFA98GSM	1"	300
≠ P3NFA9PGSM	1-1/2"	310

‡ come with bowl guards
 ≠ come with metal bowls



PARKER HANNIFIN AIR LINE COALESCING FILTERS

Parker Coalescing Filters are installed where oil free air is necessary for critical applications, such as air gauging and pneumatic instrumentation and controls. The contaminated air enters the element interior and is forced through a thick membrane of "Borosilicate" glass fibers coated with epoxy. Flow then passes through an outer structural support and, at this stage, has removed 99.97% + of the sub-micron particles evident in the contaminated air. These tiny droplets coalesce together and are blotted from the filter surface by the drain and release layers of non-woven glass felt and rayon cloth. The drops now begin a gravitational passage to the filter sump where they can be manually or automatically drained.

MODEL NO.	NPT SIZE	SCFM
‡ 11F12EC	1/4"	45
‡ 11F22EC	3/8"	48
‡ 12F32EC	1/2"	75
‡ 12F42EC	3/4"	80
≠ P3NFA98DSM	1"	140
≠ P3NFA9PDSM	1-1/2"	150

‡ come with bowl guards
 ≠ come with metal bowls



PARKER HANNIFIN AIR LINE REGULATORS

Parker Air Line Regulators are designed to provide quick response and accurate pressure regulation for the most demanding industrial applications. A rolling diaphragm and balanced poppet provides accurate pressure regulation. The maximum inlet pressure is 250 PSI and the regulated pressure range is from 2 to 125 PSIG.

MODEL NO. **	NPT SIZE	SCFM
14R113FC (MINI)	1/4"	15
06R113AC	1/4"	53
06R213AC	3/8"	60
07R313AC	1/2"	90
07R413AC	3/4"	90
P3NRA98BNN	1"	300
P3NRA9PBNN	1-1/2"	300
** GAUGE NOT INCLUDED**		

Refer to Page 5 for Gauge Selection



PARKER HANNIFIN AIR LINE LUBRICATORS

Parker Air Line Lubricators offer proportional oil delivery over a wide range of airflows. A precision needle valve assures repeatable oil delivery and provides simple adjustment of the delivery rate. Transparent sight dome allows for 360° visibility.

MODEL NO. **	NPT SIZE	SCFM
14L10GA (MINI)	1/4"	13
‡ 06L12BE	1/4"	40
‡ 06L22BE	3/8"	60
‡ 07L32BE	1/2"	90
‡ 07L42BE	3/4"	90
≠ P3NLA98LSN	1"	130
≠ P3NLA9PLSN	1-1/2"	145

‡ come with bowl guards

≠ come with metal bowls



PARKER HANNIFIN “PIGGYBACK” FILTER/REGULATORS

Parker Filter/Regulator Piggybacks offer a space saving package with both filter and regulator features of optimal performance. This unit has excellent water removal efficiency and quick response with accurate pressure regulation regardless of changing flow or inlet pressure. A 40 micron element is standard.

MODEL NO. **	NPT SIZE	SCFM
‡ 06E12A13AC	1/4"	46
‡ 06E22A13AC	3/8"	55
‡ 07E32A13AC	1/2"	90
‡ 07E42A13AC	3/4"	90
** GAUGE NOT INCLUDED**		

Refer to Page 5 for Gauge Selection



‡ come with bowl guards

PARKER HANNIFIN FILTER / REGULATOR / LUBRICATORS

Parker Filter/Regulator/Lubricator combo's offer the ultimate in regulation, filtration, and lubrication for production air tools, cylinders, etc. The air travels through a 40 micron Parker filter that removes 99% of the condensed water from the air lines. It is then regulated by a Parker quick response regulator for accurate pressure regulation between 2 and 125 PSIG. This, then filtered and regulated air is treated with a Parker lubricator that offers proportional oil delivery over a wide range of air flows.

MODEL NO.	NPT SIZE	SCFM
‡ 06A12A13A2BC	1/4"	40
‡ 06A22A13A2BC	3/8"	60
‡ 07A32A13A2BD	1/2"	90
‡ 07A42A13A2BD	3/4"	90
≠ P3N3B98SGMNNLNA	1"	130
≠ P3N3B9PSGMNNLNA	1-1/2"	145
** GAUGE NOT INCLUDED**		

‡ come with bowl guards
≠ come with metal bowls



PARKER HANNIFIN ACCESSORIES

AUTO DRAIN	
MODEL NO.	APPLICATION
PS506P	ALL (except mini)
BRACKETS	
MODEL NO.	FOR THE FOLLOWING PART NO.'S
PS417BP	14R113F Mini Regulators
PS707P	All "06R/06E" Series, 1/4" & 3/8" Regulators
PS743P	All "06F/11F" Series, 1/4" & 3/8" Filters and Coalescer Filters
PS807P	All "07R/07E" Series, 1/2" & 3/4" Regulators
PS843P	All "07F/12F" Series, 1/2" & 3/4" Filters and Coalescer Filters
P3NKA00MW	All P3N Series, 1" & 1-1/2" Filters and Coalescer Filters
GAUGES	
MODEL NO.	DESCRIPTION
MGA152	14R113 Mini Regulators Only, 0-200 PSI, 1/8" NPT Back Mount
MGA202	ALL (except 14R113F), 0-200 PSI 1/4" NPT Back Mount

POLYCARBONATE BOWL WARNING!

Polycarbonate bowls, being transparent and tough, are ideal for use with filters and lubricators. They are suitable for use in normal industrial environments, but should not be located in areas where they could be subjected to direct sunlight, an impact blow, or temperatures outside of the rated range. As with most plastics, some chemicals can cause damage. Polycarbonate bowls should not be exposed to chlorinated hydro-carbons, ketones, esters and certain alcohol. They should not be used in air systems where compressors are lubricated with fire-resistant fluids such as phosphate ester and di-ester types.

Metal bowls are recommended where ambient and/or media conditions are not compatible with polycarbonate bowls. Metal bowls resist the action of most such solvents but should not be used where strong acids or bases are present or in salt laden atmospheres.

To clean polycarbonate bowls use mild soap and water only! Do not use cleansing agents such as acetone, alcohol, benzene, carbon tetrachloride, gasoline, toluene, etc., which are damaging to this plastic.

Metal bowl guards are standard on 1/4" to 3/4" Filters, Coalescing Filters, Piggyback Filter/Regulators, and Lubricators.

Metal bowls with sight gauge are standard on 1" and 1-1/2" Filters, Coalescing Filters, and Lubricators.

WATTS PARTICULATE FILTERS

Watts 602 Series compact filters offer excellent water removal efficiency. A unique deflector plate and shroud creates a swirling of the air stream ensuring maximum water and dirt separation. Large filter elements guarantee low pressure drop and increases element life.

Optional automatic drains are available.

MODEL NO.	NPT SIZE	SCFM
F602-022A	1/4"	53
F602-032A	3/8"	80
F602-042A	1/2"	85



WATTS COALESCING FILTERS

Watts 701 Series compact coalescing filters remove liquid aerosols and sub-micron particles. Liquids gravitate to the bottom of the element and will not re-enter the airstream. Oil free air is critical for such applications as pneumatic instrumentation and controls.

Standard twist drains can be replaced with optional automatic float drains.

MODEL NO.	NPT SIZE	SCFM
F701-022E	1/4"	45
F701-032E	3/8"	48
F701-042E	1/2"	65



WATTS FILTER / REGULATOR / PIGGYBACK COMBO

Watts B11 Series compact filter/regulators offer both filter and regulator features in a space saving package. The B11 series offer excellent water removal efficiency, a rolling diaphragm for extended life, and accurate pressure regulation regardless of changing flow or inlet pressure.

Optional auto float drains are also available.



MODEL NO.	NPT SIZE	SCFM
B11-022A11A	1/4"	46
B11-032A11A	3/8"	55
B11-042A11A	1/2"	61

WATTS AIR LINE LUBRICATORS

Watts L606 Series micro-mist lubricators offer proportional oil delivery over a wide range of air flows. These lubricators generate oil particles of 5 micron or smaller downstream to lubricate systems having complex piping arrangements. The precision needle valve assures repeatable oil delivery and provides simple adjustment of the delivery rate.

MODEL NO.	NPT SIZE	SCFM
L606-022B	1/4"	40
L606-032B	3/8"	60
L606-042B	1/2"	90



WATTS REGULATORS (with adjusting knob)

Watts R10 Series general purpose regulators feature a rugged design for most demanding applications. These regulators offer a diaphragm operated and balanced poppet design for quick and accurate regulation. Similarly to the B11 filter/regulator, the adjusting lock is engaged when the adjusting knob is removed - rendering the unit tamper resistant.

MODEL NO.	NPT SIZE	SCFM
R10-02C	1/4"	80
R10-03C	3/8"	80
R10-04C	1/2"	100



WATTS AIR LINE REGULATOR (with "T" handle)

Watts R119 Series standard regulators are ideal for installations calling for constant pressure with wide flow variations. Secondary aspiration with a balanced poppet provides quick response and accurate pressure regulation. Adjustment is carried out via a heavy duty "T" handle.

MODEL NO.	NPT SIZE	SCFM
R119-02C	1/4"	100
R119-03C	3/8"	110
R119-04C	1/2"	150



WATTS PARTICULATE FILTERS

Watts Hi-Flow Filters offer excellent water removal efficiency for heavy duty applications with minimum pressure drop. A unique deflector plate creates a swirling motion to ensure maximum water and dirt separation. The large filter element surface also contributes to a low pressure drop and increases element life.

PARTICULATE FILTERS 40 Micron Element		
MODEL NO.	NPT SIZE	SCFM
F602-08WJ	1"	240
F602-12WJ	1-1/2"	450



WATTS AIR LINE REGULATOR (with "T" handle)

Watts Hi-Flow Regulators feature a rugged design for the most demanding applications. These regulators are ideal for maintaining a constant pressure setting with even a wide variation in flow. A heavy duty "T" handle and diaphragm operated design allow for accurate regulation.

REGULATORS with adjusting "T" handle		
MODEL NO.	NPT SIZE	SCFM
R119-08C	1"	400
R119-12C	1-1/2"	500



TRIDENT CLEANSWEEP FILTERS (for Dryspell Plus Regen Dryers)

Trident Cleansweep Filters are equipped with auto float drains and DPI gauges. Trident Cleansweep Filters are CRN approved for all provinces. Trident Cleansweep Filters enjoy the feature of having the element nested into the removal bowl – allowing for minimal clearance at the bottom of the installed assembly.



PARTICULATE 1.0 micron

MODEL NO.	NPT SIZE	SCFM	Replacement Element
T100X	1/2"	60	AS702
T250X	1"	150	AS694
T600X	1-1/2"	350	AS698
T851X	2"	500	AS716

COALESCING 0.1 micron

MODEL NO.	NPT SIZE	SCFM	Replacement Element
T100Y	1/2"	60	AS701
T250Y	1"	150	AS693
T600Y	1-1/2"	350	AS697
T851Y	2"	500	AS717

TRIDENT DESICCANT COMPRESSED AIR DRYERS

All Trident Dryspell Plus Dryers are equipped with Energy Saving variable purge control as standard equipment.

Imagine being able to reduce purge loss to only 6% - dependent on desired dew point. Variable purge loss + variable dew point.

DRYING CYCLE:

Moist air from the compressor is sent through the inlet port of the required coalescing filter where water & oil coalesce and are purged through the electronic drain valve. The clean air with water vapor passes through the control valve into the desiccant filled drying tower where the air is completely dried. The air then exits through a built in strainer and a required external particulate filter giving the customer incredibly clean and dry air (-40° C PDP).

REGENERATION CYCLE:

The Regeneration Cycle occurs every 2 minutes for a period of 90 seconds. During this cycle, the control valve at the bottom of the tower opens and depressurizes. This sudden depressurization brings out water molecules trapped in the desiccant pores to the surface of the beads. A small portion (up to 15%)* of dry compressed air from the drying tower then passes over the desiccant through the regeneration orifice built in the top block. This results in complete regeneration of the desiccant.



Shown with optional filters

MODEL NO.	FLOW CFM	End Connection NPT	DIMENSIONS H x W x D	Weight (LBS)
DRYSPELL Plus 10	10	1/2"	41" x 12" x 7"	40
DRYSPELL Plus 20	20	1/2"	36" x 15" x 9"	57
DRYSPELL Plus 30	30	1/2"	46" x 15" x 9"	79
DRYSPELL Plus 45	45	1/2"	39" x 20" x 12"	101
DRYSPELL Plus 60	60	1"	47" x 21" x 12"	115
DRYSPELL Plus 100	100	1"	63" x 14" x 17"	225
DRYSPELL Plus 125	125	1"	75" x 14" x 17"	254
DRYSPELL Plus 200	200	1-1/2"	64" x 23" x 18"	459
DRYSPELL Plus 250	250	1-1/2"	76" x 23" x 18"	511
DRYSPELL Plus 300	300	2"	64" x 30" x 18"	547
DRYSPELL Plus 375	375	2"	76" x 30" x 18"	613

Trident Dryspell Plus Compressed Air Mini-Regen dryers are CRN approved for all provinces.

PURO CONDENSATE CLEANERS

The **PURO** was designed to separate mineral oil, semi - and fully synthetic lubricants from condensate. The **PURO** uses various filtration stages to achieve the lowest possible oil residue. The first stage is an adsorption filter that utilizes a material that is treated and designed to adsorb oil, not water. This material naturally floats on water. An indicator that can be viewed from a distance demonstrates the life left of this element and highlights the moment when the element requires to be changed. The condensate flows through the filter and the oil is adsorbed. The filter will get heavier according to the quantity of adsorbed oil and naturally sink to the bottom of the first tower. Another indicator demonstrates when this first tower filter element requires to be replaced. Subsequent separation stages are completed with specially selected activated carbon to polish out the remaining contaminants.



MODEL NO.	MAX. SCFM	INLET NPT	OUTLET NPT	DIMENSIONS L" x W" x H"	Approx. Shipping WT. (LBS)
PURO ENVIRO (9501) *	65	1/2"	1/2"	11 X 11 X 24	10
PURO MINI (9513) *	125	1/2"	1/2"	16 X 8 X 16	19
PURO 300 (9509) *	300	(2x) 1/2"	1/2"	26 X 14 X 28	41
PURO 750 (9512) *	750	(2x) 1/2"	1/2"	40 X 14 X 32	120
PURO GRAND (9510) *	1250	(4x) 1/2"	1/2"	43 X 16 X 43	120

* The Puro Series has been discontinued by the manufacturer and replaced by the Sepremium family of condensate cleaners on pages 25 & 26.

All Puro Series Replacement Bags will continue to be available.

PURO OIL WATER SEPARATORS AND REPLACEMENT BAGS

PART NUMBER	MODEL	DESCRIPTION
9501 *	Puro Enviro 65 CFM	Oil/Water Separator
95011 *		Charcoal Bag
9513 *	Puro Mini 125 CFM	Oil/Water Separator
9513-P *	Puro Mini Polyglycol	Oil/Water Separator
95132 *		Poly Bag
95135 *		Polyglycol Bag
95133 *		Charcoal Bag
9509 *	Puro 300 CFM	Oil/Water Separator
9509-P *	Puro Polyglycol	Oil/Water Separator
95092 *		Poly Bag
95095 *		Polyglycol Bag
95093 *		Charcoal Bag
9512 *	Midi 750 CFM	Oil/Water Separator
9512-P *	Midi Polyglycol	Oil/Water Separator
95122 *		Poly Bag
95125 *		Polyglycol Bag
95123 *		Charcoal Bag
9510 *	Puro Grand 1250 CFM	Oil/Water Separator
9510-P *	Puro Grand Polyglycol	Oil/Water Separator
95102 *		Poly Bag
95105 *		Polyglycol Bag
95103 *		Charcoal Bag
9511 *	Midi Xtender 1500	
9511 *	Puro Xtender 2500	
95113 *		Charcoal Kit for Xtender
9520 *		Distribution Box

* The Puro Series has been discontinued by the manufacturer and replaced by the Sepremium family of condensate cleaners on pages 25 & 26.

All Puro Series Replacement Bags will continue to be available.

SEPREMIUM CONDENSATE CLEANERS

The Sepremium range of oil/water separators separates oil from condensate, generated by compressed air systems. The Sepremium achieves separation of oil from condensate by means of directing the condensate through various separation stages. As condensate flows into the Sepremium, the oil is filtered out through various filter elements. The first oil adsorbing element has a clever saturation indicating feature, offering you a visual operating status of the separator. The elements are designed to combine various types of adsorption technologies to achieve less than 10 ppm oil residue values at the output stage. Final separation stage includes specially selected activated carbon to polish out the remaining contaminants.



SEPREMIUM MODEL NO.	MAX. CFM	INLET NPT	OUTLET NPT	DIMENSIONS W" x D" x H"	Approx. Shipping WT. (LBS)
9602 Standard Condensate Cleaner	70	1/2"	1/2"	10 x 9 x 9.5	8
9602-PG Polyglycol Condensate Cleaner	70	1/2"	1/2"	10 x 9 x 9.5	8
9513 Standard Condensate Cleaner	125	1/2"	1/2"	15.6 x 8.3 x 15.2	18
9513-PG Polyglycol Condensate Cleaner	125	1/2"	1/2"	15.6 x 8.3 x 15.2	18
9605 Standard Condensate Cleaner	175	1/2"	1"	23 x 8 x 24	24
9605-PG Polyglycol Condensate Cleaner	175	1/2"	1"	23 x 8 x 24	24
9610 Standard Condensate Cleaner	350	1/2"	1"	26 x 10 x 30	39
9610-PG Polyglycol Condensate Cleaner	350	1/2"	1"	26 x 10 x 30	39
9620 Standard Condensate Cleaner	750	1/2"	1"	36 x 12 x 31	72
9620-PG Polyglycol Condensate Cleaner	750	1/2"	1"	36 x 12 x 31	72
9630 Standard Condensate Cleaner	1250	1/2"	1"	39 x 15 x 36	107
9630-PG Polyglycol Condensate Cleaner	1250	1/2"	1"	39 x 15 x 36	107

SEPREMIUM OIL WATER SEPARATORS AND REPLACEMENT BAGS

PART NUMBER	DESCRIPTION
Standard 9602	Disposable Unit
Polyglycol 9602PG	Disposable Unit
Standard 9513-2	Adsorption Bag Synthetic Oil
9513-3	Charcoal Bag
Polyglycol 9513-5	Polyglycol Adsorption Bag
9513-3	Charcoal Bag
Standard 96059	Service Kit for Model 9605 includes (Indicating Adsorption Bag Synthetic Oil Tower 1, Static Adsorption Tower 2, Charcoal Bag, Tower 2)
Polyglycol 96055	Service Kit for Model 9605-PG includes (Indicating Polyglycol Adsorption Bag Tower 1, Static Adsorption Tower 2, Charcoal Bag, Tower 2)
Standard 96109	Service Kit for Model 9610 includes (Indicating Adsorption Bag Synthetic Oil Tower 1, Static Adsorption Bag Tower 2, Charcoal Bag, Tower 2)
Polyglycol 96109-P	Service Kit for Model 9610-PG includes (Indicating Polyglycol Adsorption Bag Tower 1, Static Adsorption Tower 2, Charcoal Bag, Tower 2),
Standard 96209	Service Kit for Model 9620 includes (Indicating Adsorption Bag Synthetic Oil Tower 1, Static Adsorption Bag Tower 2, Charcoal Bag, Tower 2)
Polyglycol 96209-P	Service Kit for Model 9620-PG includes (Indicating Polyglycol Adsorption Bag Tower 1, Static Adsorption Tower 2, Charcoal Bag, Tower 2)
Standard 96309	Service Kit for Model 9630 includes (Indicating Adsorption Bag Synthetic Oil Tower 1, Static Adsorption Bag Tower 2, Charcoal Bag, Tower 2),
Polyglycol 96309-P	Service Kit for Model 9630-PG includes (Indicating Polyglycol Adsorption Bag Tower 1, Static Adsorption Tower 2, Charcoal Bag, Tower 2)

All Puro Series Replacement Bags will continue to be available.

MONROE ELECTRONIC DRAIN

The Monroe **MD-25** Electronic Drain Valve is designed to automatically drain condensate from compressors, separators, dryers, receivers, drip-legs, and other compressed air apparatus. The Monroe MD-25 is adjustable for both the cycle and valve open times to accommodate your needs. The Monroe MD-25 offers a state of the art electronic timer and eliminates the need for manual draining. Maximum working pressure 230 psi.

TIMER SPECIFICATIONS	
Interval (Off) time	0.5 to 45 minutes
Discharge (On) time	0.5 to 10 seconds
Manual TEST switch	Yes, micro switch
Supply voltage	115/1/60
Current consumption	4 mA maximum
Operating temperature	-40F to +140F
Environmental protection	Nema 4
Housing material	ABS plastic FR grade
Connection	DIN 43650A
Indicator	LED to indicate power On or Off



MODEL NO.

MD-25

MONROE ELECTRONIC AUTO DRAIN WITH STRAINER

The Monroe **MD-EAD** is designed to remove condensate from compressors, compressed air dryers and receivers up to any size. It comes with the micro-switch feature (TEST) and is simple to install. Maximum working pressure 230 psi.

TIMER SPECIFICATIONS	
Interval (Off) time	0.5 to 45 minutes
Discharge (On) time	0.5 to 10 seconds
Manual TEST switch	Yes, micro switch
Supply voltage	115/1/60
Current consumption	4 mA maximum
Operating temperature	-40F to +140F
Environmental protection	Nema 4
Housing material	ABS plastic FR grade
Connection	DIN 43650A
Indicator	LED to indicate power On or Off



MODEL NO.

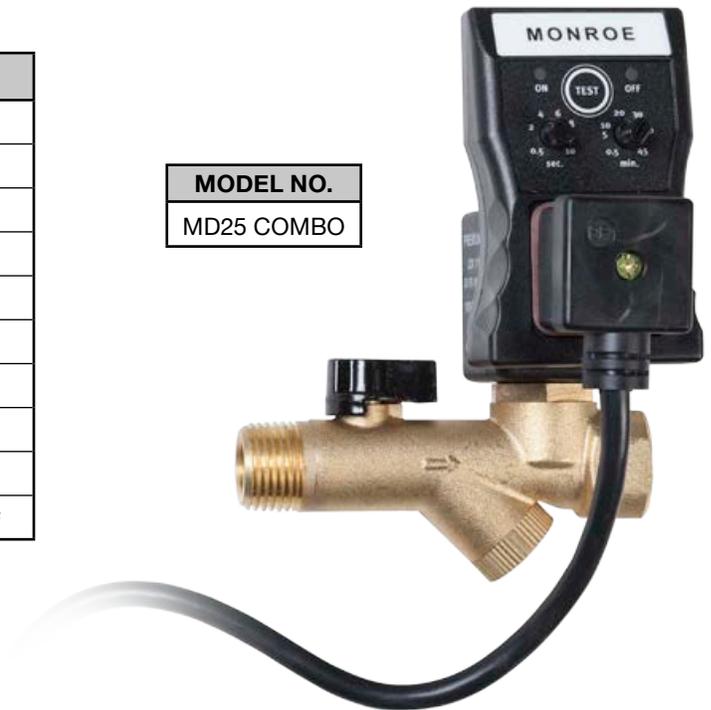
MD-EAD

MONROE COMBO ELECTRONIC AUTO DRAIN

The Monroe **MD-25 Combo** offers all the advantages of a timer controlled drain and in addition has the protection of a mesh strainer, preventing large particles from blocking the valve orifice. Maximum working pressure 300 psi.

TIMER SPECIFICATIONS	
Interval (Off) time	0.5 to 45 minutes
Discharge (On) time	0.5 to 10 seconds
Manual TEST switch	Yes, micro switch
Supply voltage	115/1/60
Current consumption	4 mA maximum
Operating temperature	-40F to +140F
Environmental protection	Nema 4
Housing material	ABS plastic FR grade
Connection	DIN 43650A
Indicator	LED to indicate power On or Off

MODEL NO.
MD25 COMBO



MONROE COMBINATION BALL VALVE & STRAINER

The Monroe **MDS-25** is a combination ball valve and strainer, eliminating the need to install two separate devices. The MDS-25 premium brass strainer can be installed using the 1/2" NPT outside thread nipple (shown), or the 1/4" NPT inside thread (not shown). An easily removed cap enables the quick cleaning of the strainer screen.

MODEL NO.
MDS-25



HANKISON REFRIGERATED COMPRESSED AIR DRYERS



Hankison **HPR** Series Refrigerated Air Dryers deliver the right solutions for compressed air treatment. HPR series non-cycling refrigerated compressed air dryers offer the right combination of technology and simplicity to keep your air system at a dry 38°F (+3°C) pressure dew point. All HPR series dryers are built for durability in a space-saving design. Sturdy sheet metal steel is formed and protected by an epoxy-based powdercoat finish. Reliable reciprocating refrigeration systems use environmentally friendly R-134a refrigerant.

HPRplus Series Coldwave™ refrigerated compressed air dryers feature Hankison's most advanced heat exchanger technology. Being the global leader in compressed air treatment is what continues to set the Hankison brand apart. Since L. E. Hankison patented the Condensifilter™ (forerunner to the refrigerated air dryer) in 1943, Hankison engineers have set the industry standard for refrigerated dryer technology. Coldwave™ heralds the next generation of Hankison high performance refrigerated dryers designed for quality and reliability.



MODEL NO.	SCFM @ 38°F PDP	MAX W.P (PSI)	VOLTAGE	INLET / OUTLET	DIMENSIONS H" X W" X D"	Approx. Shipping WT. (LBS)
HPR5-10	10	250	115/1/60	3/8"	15 x 13 x 13	64
HPR15	15	250	115/1/60	3/8"	15 x 13 x 13	69
HPR25	25	250	115/1/60	3/4"	22 x 15 x 15	88
HPR35	35	250	115/1/60	3/4"	22 x 15 x 15	92
HPR50	50	250	115/1/60	3/4"	22 x 20 x 20	101
HPRP400	400	232	575/3/60	2"	30 x 21 x 38	571
HPRP500	500	232	575/3/60	2"	32 x 25 x 41	684

LARGER SIZES AVAILABLE — 230/460 AVAILABLE ON ALL 3 PHASE MODELS

HANKISON REFRIGERATED COMPRESSED AIR DRYERS

Hankison HPRN Series dryers employ the use of 316 stainless steel brazed plate heat exchangers that efficiently dry the air to the specified pressure dew point. The hot gas by-pass valve maintains constant evaporator temperature and the replaceable ambient air filter protects the condenser from airborne contaminants. The integral stainless demister/separator captures liquid condensate and solid particles and the electronic drain valve automatically discharges condensate from the dryer. Models HPRN75-HPRN150 are equipped with lighted on/off switch & dew point indicator. Models HPRN200-300 are equipped with lighted on/off switch, LED dew point temperature indicator, and timer drain adjustment on the panel. Reliable reciprocating refrigeration systems use environmentally friendly R-407c refrigerant.



MODEL NO.	Flow Capacity SCFM	Rated FLOW M/H	Refrigerant	VOLTAGE	Power KW	INLET / OUTLET	DIMENSIONS H" X W" X D"	Approx. Shipping WT. (LBS)
HPRN75	75	127	R407c	115/1/60	0.52	1" NPT	24 x 14 x 32	123
HPRN100	100	170	R407c	115/1/60	0.65	1" NPT	24 x 14 x 32	129
HPRN125	125	212	R407c	115/1/60	0.68	1" NPT	24 x 14 x 32	135
HPRN150-2	150	255	R407c	230/1/60	0.91	1" NPT	24 x 14 x 35	152
HPRN200-2	200	340	R407c	230/1/60	1.53	2" NPT	30 x 18 x 37	181
HPRN250-2	250	425	R407c	230/1/60	1.87	2" NPT	30 x 18 x 37	196
HPRN300-2	300	510	R407c	230/1/60	2.09	2" NPT	32 x 19 x 44	252

HANKISON PARTICULATE FILTERS

Since Hankison first developed their coalescing filters in the 1970's, they have been a leader in filtration design. HF Series filters are the result of extensive testing of the latest state-of-the-art materials in filtration media. Filter elements have been designed utilizing the latest media innovations and manufacturing techniques. The result is increased performance, reduced size and lower operating pressure drop, in a variety of grades to match your requirements. Housings have large flow areas to reduce pressure drop and to allow easier installation, operation and maintenance.

HF SERIES GRADE 7

Air Line Filter (1.0 micron particulate removal)

GRADE 7 – GENERAL PURPOSE AIR LINE FILTER

For removal of liquid water and oil; removes solid particles to 1 micron (1.0 ppm w/w maximum remaining oil content). Corrosion resistant inner and outer cores.

TWO-STAGE FILTRATION

First stage – captures larger particles with alternate layers of fiber media and media screen.

Second stage – coalesces aerosols and captures solid particles with multiple layers of epoxy bonded, blended fiber media.



MODEL NO.	NPT SIZE (2)	SCFM (Based on 100 PSI Inlet with 1.5 PSID)	REPLACEMENT ELEMENT NO.
HF7-12-3-DPL	3/8"	20	E7-12
HF7-16-4-DPL	1/2"	35	E7-16
HF7-20-4-DPL	1/2"	60	E7-20
HF7-24-6-DGL	3/4"	100	E7-24
HF7-24-8-DGL	1"	100	E7-24
HF7-28-8-DGL	1"	170	E7-28
HF7-32-12-DGL	1-1/2"	250	E7-32
HF7-36-12-DGL	1-1/2"	375	E7-36
HF7-40-16-DG	2"	485	E7-40

LEGEND: (D) automatic drain (P) pressure slide indicator (L) liquid level indicator (G) differential pressure gauge

HANKISON COALESCING FILTERS

HF SERIES GRADE 5

High Efficiency Oil Removal Filter
(0.01 micron coalescing filter)

GRADE 5 — HIGH EFFICIENCY OIL REMOVAL FILTER

For coalescing fine water and oil aerosols; removes solid particles to 0.01 micron (0.008 ppm w/w maximum remaining oil content). Corrosion resistant inner and outer cores.

TWO-STAGE FILTRATION

First stage — multiple layers of fiber media and media screen remove larger particles, prefiltering the air for the second stage.

Second stage — multiple layers of bonded, blended fiber media for fine coalescence. Outer coated, closed cell foam sleeve.



MODEL NO.	NPT SIZE (2)	SCFM (Based on 100 PSI Inlet with 1.5 PSID)	REPLACEMENT ELEMENT NO.
HF5-12-3-DPL	3/8"	20	E5-12
HF5-16-4-DPL	1/2"	35	E5-16
HF5-20-4-DPL	1/2"	60	E5-20
HF5-24-6-DGL	3/4"	100	E5-24
HF5-24-8-DGL	1"	100	E5-24
HF5-28-8-DGL	1"	170	E5-28
HF5-32-12-DGL	1-1/2"	250	E5-32
HF5-36-12-DGL	1-1/2"	375	E5-36
HF5-40-16-DG	2"	485	E5-40

LEGEND: (D) automatic drain (P) pressure slide indicator (L) liquid level indicator (G) differential pressure gauge

HANKISON HIGH TEMPERATURE DRYERS

Hankison HIT (high inlet temperature) Series dryers are of a compact design with highly efficient heat exchangers. This complete air treatment system replaces four separate components - the after cooler, separator, dryer and filter. The HIT Series dryers are ideal for auto body shops, auto service centers, commercial and industrial facilities utilizing 5 - 30 HP compressors. These dryers accept high temperature air to 180°F, 82°C directly from your air compressor.



**180°
INLET TEMPERATURE**



MODEL NO.	Flow Capacity SCFM @ 125 PSIG	MAX W.P (PSI)	VOLTAGE	INLET / OUTLET	DIMENSIONS H" X W" X D"	Approx. Shipping WT. (LBS)
HIT20	20	250	115/1/60	1/2"	28 x 10 x 13	79
HIT25	25	250	115/1/60	1/2"	28 x 10 x 13	80
HIT35	35	250	115/1/60	1/2"	28 x 10 x 13	81
HIT50	50	250	115/1/60	3/4"	37 x 17 x 17	150
HIT75	75	250	115/1/60	3/4"	37 x 17 x 17	155
HIT100	100	250	230/1/60	1"	46 x 17 x 17	170
HIT125	125	250	230/1/60	1"	46 x 17 x 17	175

SOLBERG FILTER ELEMENTS

Solberg manufactures a wide range of paper and polyester elements. **Solberg Paper Elements** are made of a heavy duty industrial strength paper surrounded by heavy gauge galvanized expanded metal. These elements are nominally 99%+ efficient at 4 microns and their dust loading capacity is increased 40-50% with a polyurethane prefilter. **Solberg Polyester Elements** are reinforced with epoxy coated steel wire on both sides of the cloth. These elements are nominally 99%+ efficient at 10 microns. Applications include blowers, compressors, fans, hydraulic breathers and engines.



MODEL NO. PAPER	MODEL NO. POLYESTER	FLOW CFM	Effective Surface Area in Square Feet		DIMENSIONS		
			PAPER	POLYESTER	I.D.	O.D.	HT.
04	05	6	.2	.2	-	2-1/4"	1"
06	07	10	.58	.58	-	3"	1-3/8"
08	09	15	.45	.25	1-1/8"	2-1/4"	2-1/4"
10	11	30	1.1	1.1	-	4"	1-3/8"
14	15	30	.90	.50	3"	4-3/8"	2-5/16"
18P	19P	100	3.0	1.5	3"	4-3/8"	4-3/4"
30P	31P	195	5.7	2.3	3-5/8"	5-3/4"	4-3/4"
34P	35P	275	11.0	4.0	4-3/4"	7-7/8"	4-13/16"
230P	231P	300	10.9	4.5	3-5/8"	5-3/4"	9-1/2"
234P	235P	570	22.8	8.3	4-3/4"	7-7/8"	9-5/8"
244P	245P	880	35.5	14.0	6"	9-3/4"	9-5/8"
274P	275P	1100	45.4	19.0	8"	11-3/4"	9-5/8"
374P	375P	1500	68.1	28.0	8"	11-3/4"	14-1/2"
376P	377P	1825	125.0	50.0	9"	14-5/8"	14-1/2"
384P	385P	3300	140.0	50.0	14"	19-5/8"	14-1/2"
484P	485P	4705	200.0	75.0	14"	19-5/8"	21-1/2"
842	843	40	1.75	.6	2-3/8"	3-7/8"	2-3/4"
848	849	80	4.5	2.0	2-9/16"	5"	4-3/4"
850	851	195	13.75	4.5	3-1/2"	5-7/8"	8-3/4"

LARGER SIZES AVAILABLE

THE SUFFIX "P" INDICATES STANDARD WITH PREFILTER

SOLBERG COMPACT FILTER SILENCERS

Solberg compact filter silencers with a patented filter element are a durable small filter assembly that offers 99%+ removal efficiency at 2 micron in paper and 5 micron in polyester. A fully drawn weather hood reduces the chance of rusting which makes this filter ideal for outdoor applications.



PAPER ELEMENT			
MODEL NO.	NPT SIZE	Recip. Compressors CFM FLOW	Blowers-Rotary & Vane Compressors CFM FLOW
FS-04-025	1/4"	4	4
FS-04-038	3/8"	6	8
FS-06-038	3/8"	8	8
FS-06-050	1/2"	10	12
FS-10-050	1/2"	12	12
FS-10-075	3/4"	20	25
FS-10-100	1"	25	35

POLYESTER ELEMENT			
MODEL NO.	NPT SIZE	Recip. Compressors CFM FLOW	Blowers-Rotary & Vane Compressors CFM FLOW
FS-05-025	1/4"	4	4
FS-05-038	3/8"	6	8
FS-07-038	3/8"	8	8
FS-07-050	1/2"	10	12
FS-11-050	1/2"	12	12
FS-11-075	3/4"	20	25
FS-11-100	1"	25	35

SOLBERG FS SERIES COMPLETE ASSEMBLIES

Solberg Filter Silencer Assemblies incorporate a tubular silencing design maximizing noise attenuation and air flow. Similar to the F Series, these assemblies have durable heavy gauge bases with a low pressure drop design. Several element sizes are also available for the same connection size. Applications include blowers, air compressors, fans, hydraulic breathers and engines.



PAPER ELEMENT			
MODEL NO.	NPT SIZE	Recip. Compressors CFM FLOW	Blowers-Rotary & Vane Compressors CFM FLOW
FS-14-050	1/2"	10	10
FS-14-075	3/4"	20	20
FS-14-100	1"	20	25
FS-18P-100	1"	30	35
FS-18P-125	1-1/4"	60	60
FS-18P-150	1-1/2"	60	80
FS-30P-200	2"	60	135
FS-230P-200	2"	135	135
FS-30P-250	2-1/2"	80	195
FS-230P-250	2-1/2"	195	195
FS-230P-300	3"	200	300
FS-234P-300	3"	200	300
FS-244P-300	3"	200	300
FS-274P-300	3"	200	300
FS-234P-400	4"	300	520
FS-244P-400	4"	450	520
FS-274P-400	4"	450	520
FS-244P-500	5"	500	800
FS-274P-500	5"	650	800
FS-274P-600	6"	650	1100
FS-376P-800F	8" FLANGE	1440	1800
FS-384P-800F	8" FLANGE	1440	1800
FS-484P-800F	8" FLANGE	1800	1800

LARGER SIZES AVAILABLE

SOLBERG FS SERIES COMPLETE ASSEMBLIES

Solberg Filter Silencer Assemblies incorporate a tubular silencing design maximizing noise attenuation and air flow. Similar to the F Series, these assemblies have durable heavy gauge bases with a low pressure drop design. Several element sizes are also available for the same connection size. Applications include blowers, air compressors, fans, hydraulic breathers and engines.



POLYESTER ELEMENT

MODEL NO.	NPT SIZE	Recip. Compressors CFM FLOW	Blowers-Rotary & Vane Compressors CFM FLOW
FS-15-050	1/2"	10	10
FS-15-075	3/4"	20	20
FS-15-100	1"	20	25
FS-19P-100	1"	30	35
FS-19P-125	1-1/4"	60	60
FS-19P-150	1-1/2"	60	80
FS-31P-200	2"	60	135
FS-231P-200	2"	135	135
FS-31P-250	2-1/2"	80	195
FS-231P-250	2-1/2"	195	195
FS-231P-300	3"	200	300
FS-235P-300	3"	200	300
FS-245P-300	3"	200	300
FS-275P-300	3"	200	300
FS-235P-400	4"	300	520
FS-245P-400	4"	450	520
FS-275P-400	4"	450	520
FS-245P-500	5"	500	800
FS-275P-500	5"	650	800
FS-275P-600	6"	650	1100
FS-377P-800F	8" FLANGE	1440	1800
FS-385P-800F	8" FLANGE	1440	1800
FS-485P-800F	8" FLANGE	1800	1800

LARGER SIZES AVAILABLE

SOLBERG F SERIES COMPLETE ASSEMBLIES

Solberg Filter Assemblies feature a durable heavy gauge base with low pressure drop yoke and pipe design. Larger units are reinforced with gussets for machines with extreme vibration. Several element sizes are available at a given connection size providing a choice according to required face velocity. Applications include blowers, compressors, fans, hydraulic breathers and engines.



PAPER ELEMENT

MODEL NO.	NPT SIZE	Recip. Compressors CFM FLOW	Blowers-Rotary & Vane Compressors CFM FLOW
F-30P-200	2"	60	135
F-230P-200	2"	135	135
F-30P-250	2-1/2"	80	195
F-230P-250	2-1/2"	195	195
F-230P-300	3"	300	300
F-234P-300	3"	300	300
F-244P-300	3"	300	300
F-274P-300	3"	300	300
F-234P-400	4"	300	520
F-244P-400	4"	450	520
F-274P-400	4"	450	520
F-244P-500	5"	500	800
F-274P-500	5"	650	800
F-274P-600	6"	650	1100
F-376P-800F	8" FLANGE	1440	1800
F-384P-800F	8" FLANGE	1440	1800
F-484P-800F	8" FLANGE	1800	1800

LARGER SIZES AVAILABLE

SOLBERG F SERIES COMPLETE ASSEMBLIES

Solberg Filter Assemblies feature a durable heavy gauge base with low pressure drop yoke and pipe design. Larger units are reinforced with gussets for machines with extreme vibration. Several element sizes are available at a given connection size providing a choice according to required face velocity. Applications include blowers, compressors, fans, hydraulic breathers and engines.



POLYESTER ELEMENT

MODEL NO.	NPT SIZE	Recip. Compressors CFM FLOW	Blowers-Rotary & Vane Compressors CFM FLOW
F-31P-200	2"	60	135
F-231P-200	2"	135	135
F-31P-250	2-1/2"	80	195
F-231P-250	2-1/2"	195	195
F-231P-300	3"	300	300
F-235P-300	3"	300	300
F-245P-300	3"	300	300
F-275P-300	3"	300	300
F-235P-400	4"	300	520
F-245P-400	4"	450	520
F-275P-400	4"	450	520
F-245P-500	5"	500	800
F-275P-500	5"	650	800
F-275P-600	6"	650	1100
F-377P-800F	8" FLANGE	1440	1800
F-385P-800F	8" FLANGE	1440	1800
F-485P-800F	8" FLANGE	1800	1800

LARGER SIZES AVAILABLE

SOLBERG CSL SERIES CLOSED SYSTEM FILTER ASSEMBLIES

Solberg Closed System Filter Assemblies are of a rugged all steel construction. They offer low pressure drop, a maximum filtration area and vacuum tested positive sealing. These assemblies can be used as an elbow in a package without having to be removed for maintenance. Applications include vacuum pumps and systems, intake suction filters, blowers, pneumatic conveying systems, air compressors and remote air intake installations.



PAPER ELEMENT			
MODEL NO.	NPT SIZE	TYPE	CFM
CSL-842-050HC	1/2"	FPT	10
CSL-842-075HC	3/4"	FPT	20
CSL-842-100HC	1"	FPT	25
CSL-848-100HC	1"	FPT	40
CSL-842-125HC	1-1/4"	FPT	45
CSL-848-125HC	1-1/4"	FPT	60
CSL-848-150HC	1-1/2"	FPT	80
CSL-850-200HC	2"	FPT	150
CSL-850-250HC	2-1/2"	FPT	195
CSL-234P-300	3"	MPT	300
CSL-234P-400	4"	MPT	520
POLYESTER ELEMENT			
MODEL NO.	NPT SIZE	TYPE	CFM
CSL-843-050HC	1/2"	FPT	10
CSL-843-075HC	3/4"	FPT	20
CSL-843-100HC	1"	FPT	25
CSL-849-100HC	1"	FPT	40
CSL-843-125HC	1-1/4"	FPT	45
CSL-849-125HC	1-1/4"	FPT	60
CSL-849-150HC	1-1/2"	FPT	80
CSL-851-200HC	2"	FPT	150
CSL-851-250HC	2-1/2"	FPT	195
CSL-235P-300	3"	MPT	300
CSL-235P-400	4"	MPT	520

LARGER SIZES AVAILABLE

SOLBERG "T" STYLE VACUUM FILTERS CT/ST SERIES

Solberg CT/ST series filter assemblies are ideal for vacuum pumps and systems. They are a compact and ruggedly designed filter that offers 99%+ removal efficiency at 10 micron with a low pressure drop. Each filter consists of a threaded cast aluminum top, which secures the element for easy removal, and a deep drawn bottom section offering large dirt holding capacity. These filters can be found in a variety of industries such as food and paper processing, wastewater treatment, factory automation, and cement manufacturing. CT Series filters feature a carbon steel bowl for rugged duty environments, while ST Series assemblies feature See-Through clear polycarbonate bowl.

CT SERIES			
MODEL NO.	ELEMENT TYPE	NPT SIZE	CFM
CT-850-200C	PAPER	2"	175
CT-850-250C	PAPER	2-1/2"	175
CT-234P-300C	PAPER	3"	300
CT-234P-400C	PAPER	4"	520
CT-851-200C	POLYESTER	2"	175
CT-851-250C	POLYESTER	2-1/2"	175
CT-235P-300C	POLYESTER	3"	300
CT-235P-400C	POLYESTER	4"	520



CT Series

ST SERIES			
MODEL NO.	ELEMENT TYPE	NPT SIZE	CFM
ST-850/1-200C	PAPER	2"	175
ST-850/1-250C	PAPER	2-1/2"	175
ST-234P-300C	PAPER	3"	300
ST-234P-400C	PAPER	4"	520
ST-851/1-200C	POLYESTER	2"	175
ST-851/1-250C	POLYESTER	2-1/2"	175
ST-235P-300C	POLYESTER	3"	300
ST-235P-400C	POLYESTER	4"	520



ST Series

LARGER SIZES AVAILABLE

SOLBERG SPINMEISTER™ EXTREME DUTY 2 STAGE FILTRATION

EXTREME DUTY INLET FILTERS

Solberg *SpinMeister*™ extreme duty inlet filters significantly increase the life of the air filter element. Each assembly is comprised of the *SpinMeister*™ extreme duty filter that removes large particles, and a Solberg 10 micron conventional filter assembly. The centrifugal force from the intake air causes the spinning motion of the rotor to separate the particles for the air stream, forcing it to the inner perimeter of the cover and out through the discharge port.



Outlet Size & Type	Assembly SCFM RATING	MODEL NO. PAPER	MODEL NO. POLYESTER
1”MPT *	30	SM1.5-10-100	SM1.5-11-100
1-1/2”MPT	85	SM2-18P-150	SM2-19P-150
3”MPT *	250	SM3-234P-300	SM3-235P-300
4”MPT	400	SM4-234P-400	SM4-235P-400

LARGER SIZES AVAILABLE

EXTREME DUTY FILTRATION INLET VACUUM FILTERS *SPINMEISTER*™/DUAL “T” STYLE

For closed vacuum systems, the *SpinMeister*™ pre-cleaner is mounted in the “ST” vacuum filter canister, and the *SpinMeister*™ filter assembly is to be installed as the first stage of filtration.

For final filtration, it is followed with the appropriately sized standard “ST” filter assembly with either a paper or polyester filter element depending on your application. This 2 stage approach offers extreme duty filtration for high dust vacuum applications, and significantly increases the life of second stage filter element. The 85% efficient @15 micron first stage *SpinMeister*™ visibly deposits debris and heavy particulate into the clear bucket, that is easily removed via snap clips to empty and return to service.



Pre-Cleaner MODEL NO.	FPT Inlet & Outlet	SCFM RATING		ST Series Filter used in conjunction Pre-Cleaner	
		Range with Spinmeister	Range w/ Element	Polyester Element	Paper Element
ST-SML235-200C	2”	40-110	175	ST-851/1-200C	ST-850/1-200C
ST-SML235-250C	2-1/2”	40-110	210	ST-851/1-250C	ST-850/1-250C
ST-SML345-300C	3”	100-200	300	ST-235P-300C	ST-234P-300C
ST-SML445-400C	4”	200-450	520	ST-235P-400C	ST-234P-400C

LARGER SIZES AVAILABLE

FOR YOUR RECORDS

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INDUSTRIAL PNEUMATIC & ELECTRICAL BUYERS GUIDE

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