



CleanAir™ Air Control Equipment

Accessories for superior spray finishing.

Filters • Regulators • Gauges • Valves

DEVILBISS
The Right Way To Finish™



Air control equipment for today's spray finishing challenges.

At DeVilbiss, we do more than make leading atomizing spray guns - we also tools and accessories to support them.



the industry's create the specialty

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That includes the ultimate in air control filters and regulators, as well as a complete selection of tanks, cups, hoses and other accessories,



all engineered to help you find the best solutions for your spray finishing applications.

Over the last century, we've set the standards in the industry - from the ergonomically advanced MAX™ spray gun to the superior atomization of our Maximum Performer™ HVLV technology. And now we're ready to lead the way into the next millennium.



So whether you're spray finishing metal or wood, automobiles or appliances, electronics or aerospace, or anything in-between, you can count on DeVilbiss.

We have the products, the experts and the technologies to help you meet spray finishing challenges. Just ask for us by name.

Ask for DeVilbiss.



CleanAir™ for a Quality Finish.

Selecting the right equipment for the ultimate in clean air.

To help you achieve the best possible finish in every application, DeVilbiss offers a complete line of quality air filtering units.

It's the equipment you need to ensure a contaminant-free material application — because today's high solids and waterbornes are even more sensitive to contaminants. The right filter equipment from DeVilbiss can make all the difference.

The fact is, an otherwise great paint finish can be totally ruined by just a small amount of dirt, oil or water in your air line. And needless to say, paint flaws like pinholes, blushing, fisheyes or dulling mean a job has to be redone - a waste of both time and money.

DeVilbiss has what you need to make your finishes nothing but the best. There are four types of filtering units available from DeVilbiss:

- *Centrifugal Filter-Regulator Units*
- *Coalescer Filter-Regulator Units*
- *Three-Stage Desiccant Unit*
- *WhirlWind™ In-Line Filter*

Quality Equipment and Proper Installation

Following some key installation principles will help decrease the risk of contaminants. For example, it's important to use the right size air compressor for your application. An overworked air compressor can produce a significant amount of dirt and oil. Additionally, proper piping is very important to help prevent condensation from forming within the line and contaminating the air supply. DeVilbiss is ready to assist you with any questions, just contact our Technical Assistance hotline.

Take a minute to review the complete line of DeVilbiss CleanAir filtering equipment. You'll find we have the CleanAir equipment you need for the right way to finish.



CleanAir Centrifugal Filter-Regulator Units

Excellent for eliminating moisture and dirt from an air supply, DeVilbiss CleanAir centrifugal units supply cleaner, drier air to each spray gun in a system. This cleaner air can also increase the life of pneumatic tools.

- Filters out water and oil aerosols and dirt particulates to 5 microns.
- Ideal for most spray applications, air tools and equipment.
- Water droplets collected in the bowl are removed by an automatic drain (standard feature). No need to manually drain.



Quick-release filter bowl and spin-off 5-micron filter element allow one-minute filter changes without tools. Pressure drops are minimized by large air inlet and outlet and large internal air passages.



*HFRL-511
Service Bulletin
SB-6-148-E*



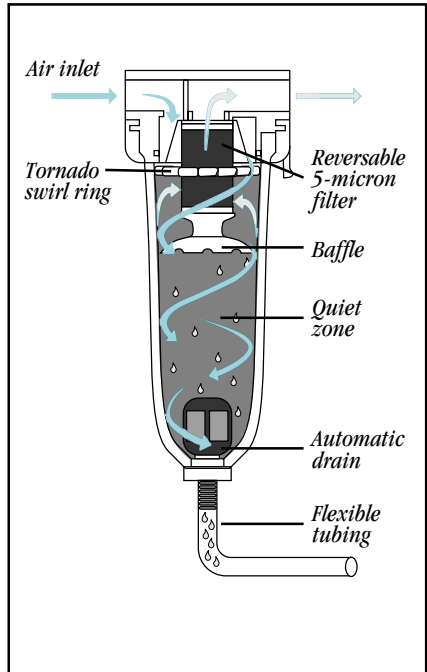
*HAF-502
Service Bulletin
SB-6-146-B*

*HAF-503
Service Bulletin
SB-6-148-E*

*HFRL-508
Service Bulletin
SB-6-148-E*

*HFRL-509
Service Bulletin
SB-6-148-E*

CleanAir Centrifugal Filter-Regulator Units



Tornado-like swirling action removes moisture which collects in the baffled "quiet zone." The reusable 5-micron filter catches smaller impurities. Accumulated liquid is carried away by the automatic drain.

Accessories

- Mounting Bracket Assembly Kits
For HAF-502 air filter and HFRL-508 regulator; order HAF-407.
For HAF-503 air filter, and HFRL-509 and HFRL-511 regulators, order HAF-408.
- Filter Element Kits (5-Micron reusable)
For HAF-502 air filter and HFRL-508 regulator; order HAF-6.
For HAF-503 air filter, and HFRL-509 and HFRL-511 regulators, order HAF-15.

Centrifugal Air Filter Units

PART NO.	HAF-502	HAF-503
Filtering Capacity (micron)	5	5
Flow Rate (CFM)	100 @ 90 psi	150 @ 90 psi
Max. Inlet Pressure (psi)	150	150
Max. Operating Temp.	150°F	150°F
Inlet Port Size	1/2" NPT (F)	3/4" NPT (F)
Outlet Port Size	1/2" NPT (F)	3/4" NPT (F)
Bowl Capacity	17 oz.	34 oz.
Shipping Weight	1 lb. 7 oz.	3 lbs. 1 oz.
Service Bulletin	SB-6-146	SB-6-148

Centrifugal Filter-Regulator Units

PART NO.	HFRL-508	HFRL-509	HFRL-511
Filtering Capacity (micron)	5	5	5
Flow Rate (CFM)	50+	80+	120+
Max. Inlet Pressure (psi)	150	150	150
Regulated Pressure Range (psi)	0 - 125	0 - 125	0 - 125
Max. Operating Temp.	150°F	150°F	150°F
Inlet Port Size	1/2" NPT (F)	3/4" NPT (F)	3/4" NPT (F)
Regulated Outlets (w/ ball valve)	(1) 1/4" NPS (M)	(2) 1/4" NPS (M)	(4) 1/4" NPS (M)
Non-Regulated Outlets (w/ ball valve)	(1) 1/4" NPS (M)	(1) 1/4" NPS (M)	(1) 1/4" NPS (M)
Bowl Capacity	17 oz.	34 oz.	34 oz.
Air Filter Included	HAF-502	HAF-503	HAF-503
Quantity of Air Regulators/Model	(1) HAR-507	(1) HAR-507	(2) HAR-507
Air Gauges (0 - 100 psi)	1	1	2
Air Gauges (0 - 160 psi)	1	1	1
Shipping Weight	9 lbs.	15 lbs.	18 lbs.
Service Bulletin	SB-6-148	SB-6-148	SB-6-148

CleanAir Coalescer Filter-Regulator Units

CleanAir coalescer filters remove water, dirt and oil from the system down to .01 micron. DeVilbiss coalescer filter units are designed with a quick-release bowl and spin-off element for filter changes without tools. In addition, a filter-change indicator alerts the operator when the element requires changing.

- Borosilicate glass microfiber filter is engineered for high flow, high efficiency, quick change and low pressure drop.
- Ideal for most spray applications, especially where oil aerosols may be a problem.
- Automatic bowl drain and 6' hose eliminate oil and water buildup (standard feature). No need to manually drain.

The HAF-508 is the coalescer filter only. In combination with the centrifugal filter, there are three choices – the HAF-509 non-regulated unit and the two regulated models – HFRL-512 and HFRL-513.



*HFRL-513
Service Bulletin
SB-6-148-E*

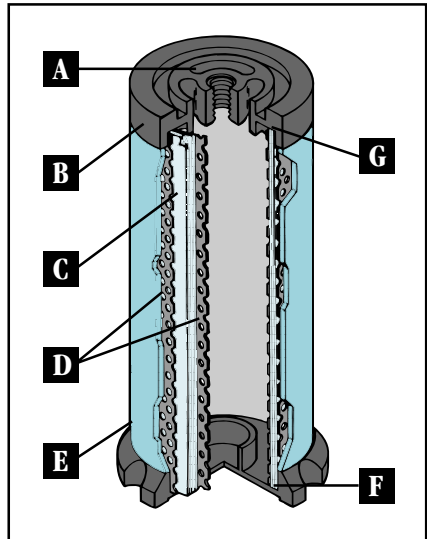


*HAF-509
Service Bulletin
SB-6-148-B*



*HFRL-512
Service Bulletin
SB-6-148-E*

CleanAir Coalescer Filter-Regulator Units



Pre-filter support fabric prevents media migration, increasing element life. Stainless steel screens provide fail-safe protection against accidental shock loads and high pressure drops in either direction. Anti re-entrainment barrier prevents liquid carryover, even in shock conditions, and is compatible with mineral and synthetic lubricants.

- A – Easy-fit captive O-ring*
- B – Corrosion-resistant end caps*
- C – Pre-filter support fabric*
- D – Stainless steel support screens*
- E – Anti re-entrainment barrier*
- F – Borosilicate glass microfiber filter*
- G – High-strength epoxy sealant*

Accessories

- Mounting bracket assembly kit is available; order HAF-408.
- Centrifugal filter element kit has reusable 5-micron filter; order HAF-15.
- Coalescer filter element kit has .01-micron filter; order HAF-38.

Centrifugal-Coalescer Filter Units

NON-REGULATED MODELS	HAF-508 COALESCER*	HAF-509 CENTRIFUGAL & COALESCER
Centrifugal Filtering Capacity (micron)	5	5
Coalescer Filtering Capacity (micron)	.01	.01
Flow Rate (CFM)	150 @ 90 psi	150 @ 90 psi
Max. Inlet Pressure (psi)	150	150
Max. Operating Temp.	150°F	150°F
Inlet Port Size	3/4" NPT (F)	3/4" NPT (F)
Outlet Port Size	3/4" NPT (F)	3/4" NPT (F)
Bowl Capacity	34 oz.	34 oz.
Shipping Weight	3 lbs. 2 oz.	6 lbs. 3 oz.
Service Bulletin	SB-6-148	SB-6-148

Coalescer-Filter Regulator Units

REGULATED MODELS	HFRL-512	HFRL-513
Centrifugal Filtering Capacity (micron)	5	5
Coalescer Filtering Capacity (micron)	.01	.01
Flow Rate (CFM)	80+	120+
Max. Inlet Pressure (psi)	150	150
Regulated Pressure Range (psi)	0 - 125	0 - 125
Max. Operating Temp.	150°F	150°F
Inlet Port Size	3/4" NPT (F)	3/4" NPT (F)
Regulated Outlets (w/ ball valve)	(2) 1/4" NPS (M)	(4) 1/4" NPS (M)
Non-Regulated Outlets (w/ ball valve)	(1) 1/4" NPS (M)	(1) 1/4" NPS (M)
Bowl Capacity	34 oz.	34 oz.
Quantity of Air Regulators/Model	(1) HAR-507	(2) HAR-507
Air Gauges (0 - 100 psi)	1	2
Air Gauges (0 - 160 psi)	1	1
Shipping Weight	18 lbs. 2 oz.	21 lbs. 2 oz.
Service Bulletin	SB-6-148	SB-6-148

** HAF-508 coalescer filter should be used in conjunction with a centrifugal type filter to remove the majority of water, oil and dirt, prior to the coalescer filter.*

CleanAir Three-Stage Desiccant Unit



The three-stage desiccant unit provides the ultimate in clean dry air. First stage centrifugal filter removes particulates to 5 microns. Stage two coalescer filters down to .01 micron. Third stage desiccant removes remaining water vapor to a dew point of -40°F .

- Ideally suited for low to medium production.
- DAD-500 air-drying system includes three filtering units, as well as a wall mount bracket and desiccant filter change indicator.
- Centrifugal and coalescer units include automatic bowl drain (standard feature). No need to manually drain.
- Coalescer filter includes filter change indicator.
- Desiccant filter includes sight glass indicator (Changes color when desiccant needs replacement).

DAD-500 Desiccant Air Drying System

DESICCANT SYSTEM UNITS	DAD-500 AIR DRYING SYSTEM*	HAF-502 CENTRIFUGAL FILTER ONLY	HAF-505 COALESCER FILTER ONLY	HAR-507 REGULATOR ONLY
Air Inlet	1/2" NPT (F)	1/2" NPT (F)	1/2" NPT (F)	3/8" NPT (F)
Air Outlet	1/2" NPT (F)	1/2" NPT (F)	1/2" NPT (F)	1/4" NPT (F) (3 ea)
Max. Operating Pressure (psi)	150	150	150	150
Replacement Filters/Desiccant	DAD-1	HAF-6	HAF-28	—
Service Bulletin	SB-6-156	SB-6-146	SB-6-152	SB-6-147
Air Flow Capacity (cfm)	25	100	55	60

* Includes HAF-502, HAF-505 and HAR-507.

WhirlWind™ In-Line Filter

The WhirlWind disposable in-line filter attaches to the base of the spray gun or air tool to remove any remaining water, oil, dirt and rust from the air line. This high-quality, high-flow, solvent-resistant air filter has a very low pressure drop and has a floating filter that automatically adjusts for changing air conditions.

- Air is swirled to trap droplets, then filtered to absorb remaining particulates.
- Multi-layer design extends life, so unit lasts up to 40% longer than other filters.
- Perfect for use with HVLP guns, WhirlWind provides 55% more air flow than other filters.



HAF-507-K12

HAF-507-K12 WhirlWind In-Line Filter

HOUSING MATERIAL	PACKAGING	THREADS	MAXIMUM OPERATING PRESSURE	OPERATING TEMPERATURES	PRESSURE DROP @ 80 PSI w/ 20 SCFM	LIQUID CONTAMINANT	SERVICE BULLETIN
Solvent-resistant Delrin® plastic	12 filters per dispenser carton	1/4" NSP (M) inlet 1/4" NSP (F) inlet	125 psi	50°F - 110°F	2 psi	1.5 fl. oz.	SI-8-10-1

CleanAir Air Regulators

HAR-502/505/535/555 Air Regulator

General purpose regulators for line takeoff use or as integral regulators on pumps, pressure tanks and other air operated devices. Require separate trap or filter in air line to remove moisture or dirt.

- Unique three position, non-rising adjusting knob.
- Removable plug and cap.
- All metal body; durable Delrin® cap and knob; Buna N diaphragm and disc.
- Accurate regulator mechanism provides precision air control.

- Self-relieving design.
- Both main line and regulated outlets available from same units.

HAR-501 Air Regulator

Extra Sensitive regulator for use with precision control on pressure feed tanks or other dead-end applications. Can be used to control atomization pressure for one spray gun.

- Self-relieving regulator.
- Tough, reinforced Buna N diaphragm for extended service life.
- 100 mesh stainless steel strainer.

- Removable bottom plug for easy service.
- Forged brass body and stainless steel or brass internal parts for long service.
- High ratio of diaphragm surface to orifice area provides stable uniform regulation.



HAR-505



HAR-501

MODEL	MAXIMUM CAPACITY CFM	REGULATED PRESS. RANGE PSI	MAX. AIR INLET PRESS. PSI	MAX. OPERATING TEMPERATURE °F	DIMENSIONS H" X W"	WEIGHT LBS.	MAIN AIR INLET PORT SIZE	MAIN LINE OUTLET PORT SIZE	REGULATED OUTLETS PORT SIZE
HAR-501*	15	0 - 20	250	120°	6 x 4-1/2	2-1/4	1 3/8" NPT (F)	-	1 3/8" NPT (F)
HAR-502	40	0 - 125	250	120°	4-7/8 x 2-3/8	1-1/8	1 1/4" NPT (F)	1 1/4" NPT (F)	2 1/4" NPT (F)
HAR-505	40	0 - 125	250	120°	4-7/8 x 2-3/8	1-1/8	1 1/4" NPT (F)	-	3 1/4" NPT (F)
HAR-535	40	0 - 125	250	120°	4-7/8 x 2-3/8	1-1/8	1 3/8" NPT (F)	1 1/4" NPT (F)	1 3/8" NPT (F)
HAR-555	40	0 - 125	250	120°	4-7/8 x 2-3/8	1-1/8	1 3/8" NPT (F)	2,4 1/4" NPT (F)	1 1/2" NPT (F)
HAR-507	60	0 - 125	300	120°	4-7/8 x 3	1-1/2	1 3/8" NPT (F)	-	3 1/4" NPT (F)

* Extra-sensitive regulator for precise control on pressure tanks and other dead-end applications.

** These models include nickel plating for corrosion protection. Other models are painted.

Air Control Accessories



For accurate pressure readings, standard gauges are made from rust-resistant materials and include glass covered dials. Can be used in any location where conditions of vibration or rough service exist.

GA-77 gauge is very accurate in low pressure range and ideal for critical pressure adjustments. Calibrated in ounces from 0 to 10 lbs.; in pounds from 10 to 30 lbs.

GA Pressure Gauges

MODEL	SCALE (TYPE)	THREAD	DIAMETER	INLET
GA-73	0 - 30 psi (A, F)	1/4" NPT (M)	2"	Bottom
GA-77	0 - 30 psi (A, F)	1/4" NPT (M)	3-1/2"	Bottom
GA-288	0 - 160 psi (A, F)	1/4" NPT (M)	2"	Bottom
GA-313	0 - 15 psi (A)	1/8" NPT (M)	1-1/2"	Bottom
GA-316	0 - 160 psi (A)	1/4" NPT (M)	2"	Back
GA-333	0 - 100 psi (A, F)	1/4" NPT (M)	2"	Bottom
GA-338	0 - 160 psi (A)	1/8" NPT (M)	1-1/2"	Back



Air Regulator Lockout HAR-400

This device allows the painter to set their air regulators to guarantee proper atomization, as well as to assure compliance in areas where air cap pressure is limited to 10 psi or less. Includes one key per unit.

- HARG-510 is a precise, lightweight air regulator and gauge combination. Fits any professional spray gun; comfortable for left and right-handed painters. Swivel adaptor allows fast installation, and a locking secures pressure settings to avoid interruptions for readjustments. Max. Air Inlet Pressure: 400 psi
Outlet Pressure Adjust. Range: 5-100 psi
Gauge Port Size in Regulator: 1/8" NPT (F)



*HARG-510
Service Bulletin
SB-6-105-D*



HAV-501



HAV-500



P-H-5516

- HAV-500 and HAV-501 are precise air adjustment valves that control pressure at the spray gun. Fits all professional spray guns. A swivel top allows for easy and fast installation.
- P-H-5516 air adjustment accessory attaches directly to the spray gun air inlet. The large knurled knob adjusts air flow. Commonly used with spray guns, pressure tanks and pumps.

Air Adjusting Valves

MODEL	AIR INLET	AIR OUTLET	NET WT.	GAUGE RANGE	TYPE
HARG-510	1/4" NPS (M) (Nipple)	1/4" NPS (F) (Swivel Adapter)	10 oz.	0 - 160 psi	Diaphragm Relieving
HAV-500	1/4" NPS (M)	1/4" NPS (F) (Swivel)	3.5 oz.	n/a	Straight
HAV-501	1/4" NPS (M)	1/4" NPS (F) (Swivel)	5 oz.	0 - 160 psi	w/ Gauge
P-H-5516	1/4" NPS (M)	1/4" NPS (F) (Swivel)	3 oz.	n/a	Straight

Air Valves

MODEL	DESCRIPTION	MAX. OPERATING PRESSURE	MATERIAL
VA-527	3/8" NPS (M) x 3/8" NPT (M)	500	Stainless Steel
VA-528	3/8" NPS (M) x 3/8" NPT (F)	500	Stainless Steel
VA-540	3/8" NPS (M) x 3/8" NPT (M)	500	Brass
VA-541	1/4" NPS (M) x 3/8" NPT (M)	500	Brass
VA-542	1/4" NPS (M) x 1/4" NPT (M)	500	Brass

System Solutions for Your Spray Finishing Needs



More than just a spray gun manufacturer, DeVilbiss is your single source for practical solutions to all your spray finishing challenges.

To maximize your production output you need consistent, reliable performance, high-quality results and a responsive service partner who knows the industry and your business. And with DeVilbiss, you not only get the equipment, you also get the expertise.

Since 1888, we've advanced the science of spray finishing by introducing innovative products and technological developments that set the standards for the industry. These efforts help ensure that we can deliver the best solution for your particular spray finishing applications.

Spray Guns

- Conventional air spray and HVLV
- Standard-size, mid-size, manual and automatic
- Waterborne compatible, stainless steel passages
- Spot repair guns for precision control
- Decorator guns for textured and other decorative finishes
- Duster guns
- Gravity feed, suction feed pressure feed
- External mix and internal mix atomization methods
- OMX™ - the only true ergonomic spray gun

Cups and Tanks

- Pressure, gravity and suction feed cups
- Aluminum, stainless steel and polyethylene
- Economical non-code waterborne-compatible 2-1/2 gal. tanks
- ASME-certified galvanized and stainless steel tanks
- Tank capacities from 2 gal. to 15 gal.
- Air motor drives

Air Control

- Regulators and gauges
- Adjusting valves
- Centrifugal, coalescing, in-line and desiccant filters

Hose

- Fluid and air hose
- Ball and air-adjusting valves
- Fittings and connections

Additional Accessories

- Adapters and couplings
- Nylon-tipped self-seating fluid needles
- SolventSaver™ gun and hose cleaners
- Gun-mounted fluid strainers
- Replacement parts kits
- Air cap test kits
- Fluid regulators

Sales and Service
Through a Nationwide Network of Industrial Distributors



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