



hydraulic flow
control



Hydraulic Efficiency

product guide



Effective January, 2023

our story

welcome to Aalberts hydronic flow control North America

“Our business began with an idea to make life easier for people, to think differently and challenge the status quo by developing solutions to simplify a process and improve efficiency. Simple efficiency was our goal and helping you win was our purpose. Today, building on the foundation of our past, combined with the Aalberts hfc brand portfolio, we aim to challenge the status quo yet again and lead North America into the next chapter of sustainable hydronic solutions. Our team believes in a relentless pursuit of excellence to help you win. Winning requires a team effort. Our team of employees, suppliers, and partners work tirelessly to develop innovative hydronic solutions that improve system performance, save energy, and optimize installation, all with **helping you win** in mind . . . ”

winning together for tomorrow

Vision:

Market leader in innovative, sustainable hydronic solutions (from source to emitter) in North America.

Mission:

Help our customers win with innovative hydronic solutions that improve system performance, save energy and optimize installation.

By delivering innovative, tailor-made, and fail-safe solutions, we bring great visions to life with superior system performance and energy savings.

Our Brands



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residential air & dirt separators

The Flamco Smart series of air and dirt separators remove even the smallest microbubbles and minuscule dirt particles from the system water.

- Compact
- Lightweight
- Low flow resistance



Flamcovent Clean Smart
Magnetic Air / Dirt Separator NPT

Part Number	Size	MOQ
FSADS-075	¾"	1
FSADS-100	1"	1
FSADS-125	1¼"	1
FSADS-150	1½"	1
FSADS-200	2"	1



Flamcovent Clean Smart
Magnetic Air / Dirt Separator Press

Part Number	Size	MOQ
FSADS-075P	¾"	1
FSADS-100P	1"	1
FSADS-125P	1¼"	1
FSADS-150P	1½"	1
FSADS-200P	2"	1



Flamco Clean Smart
Magnetic Dirt Separator NPT

Part Number	Size	MOQ
FSDS-075	¾"	1
FSDS-100	1"	1
FSDS-125	1¼"	1
FSDS-150	1½"	1
FSDS-200	2"	1



Flamcovent Clean Smart
Magnetic Dirt Separator Press

Part Number	Size	MOQ
FSDS-075P	¾"	1
FSDS-100P	1"	1
FSDS-125P	1¼"	1
FSDS-150P	1½"	1
FSDS-200P	2"	1



Flamcovent Smart
Air Separator NPT

Part Number	Size	MOQ
FSAS-075	¾"	1
FSAS-100	1"	1
FSAS-125	1¼"	1
FSAS-150	1½"	1
FSAS-200	2"	1



Flamcovent Clean Smart
Air Separator Press

Part Number	Size	MOQ
FSAS-075P	¾"	1
FSAS-100P	1"	1
FSAS-125P	1¼"	1
FSAS-150P	1½"	1
FSAS-200P	2"	1

* Flamcovent Clean Smart, Flamco Smart, and Flamcovent Smart - Patent # US 9,884,270 B2

residential air & dirt separators insulation packs

The Flamco Smart series Insulation Pack increases energy efficiency by reducing heat loss from the Smart separators



Flamcovent Clean Smart EcoPlus Insulation Pack

Part Number	Size	MOQ
FEPI-SADS-075	¾"	1
FEPI-SADS-100	1"	1
FEPI-SADS-125	1¼"	1
FEPI-SADS-150	1½"	1
FEPI-SADS-200	2"	1



Flamco Clean Smart EcoPlus Insulation Pack

Part Number	Size	MOQ
FEPI-SDS-075	¾"	1
FEPI-SDS-100	1"	1
FEPI-SDS-125	1¼"	1
FEPI-SDS-150	1½"	1
FEPI-SDS-200	2"	1



Flamcovent Clean EcoPlus Insulation Pack

Part Number	Size	MOQ
FEPI-SAS-075	¾"	1
FEPI-SAS-100	1"	1
FEPI-SAS-125	1¼"	1
FEPI-SAS-150	1½"	1
FEPI-SAS-200	2"	1

air vents



Flexvent

Automatic Air Vent

- Leakproof sealer rings
- Rated to 90 psi
- Manufactured from DZR brass

Part Number	Size	MOQ
F27726	3/8" MNPT W/SHUTOFF	1
F27736	3/4" MNPT W/SHUTOFF	1
F27749	1/2" NPT W/SHUTOFF	1
F27776	1/8" NPT W/BUBBLE BREAK	1
F27781	1/8-3/8" MNPT W/SHUTOFF	1



Flexvent Top

Automatic Air Vent

- Rated to 145 psi
- Manufactured from DZR brass
- Serviceable Float

Part Number	Size	MOQ
F28511	3/4" NPT W/SHUTOFF	1
F28518	1/2" FNPT W/SHUTOFF	1



Flexvent Pro

Automatic Air Vent

- Garden hose connection
- Rated to 145 psi
- Manufactured from DZR brass
- Non-fouling design

Part Number	Size	MOQ
FFVP-050	1/2" NPT	1



Flexvent Super

Automatic Air Vent

- Rated to 145 psi
- Manufactured from DZR brass
- Non-fouling design

Part Number	Size	MOQ
FFVS-075	3/4" NPT	1

hydraulic separator & wall mounting



NexBalance EcoPlus C
Hydraulic Separator NPT

- Offset Design for 99% thermal transfer rate
- Insulation jacket included

Part Number	Size	MOQ
FHS-100	1"	1
FHS-125	1¼"	1
FHS-150	1½"	1
FHS-200	2"	1



Flexconsole 97975
Hydronic Expansion Tank Mounting Bracket

- Rated for up to 650 lbs.
- Air vent included

Part Number	Size	MOQ
F97975	½" NPT X ½" NPT	1



Flexconsole 97977
Hydronic Expansion Tank Mounting Bracket

- Rated for up to 650 lbs.
- Flow through port

Part Number	Size	MOQ
F97977	½" X ½" X ½" NPT	1



Flexconsole 97976
Hydronic Expansion Tank Mounting Bracket

- Rated for up to 650 lbs.
- Certified for potable water (WQA certified NSF61/372)
- Manufactured from 316 Grade Stainless Steel for added durability

Part Number	Size	MOQ
F97976	¾" NPT X ½" NPT	1

water treatment products



Sentinel X100 Corrosion Inhibitor

- Fights corrosion and limescale buildup
- pH neutral

Part Number	Size	Box Qty	MOQ
X100-RD	10 OZ AEROSOL	4	1
X100-QT	QUART	4	1
X100-1GL	1 GALLON	4	1
X100-5GL	5 GALLON	1	1
X100-55GL	55 GALLON	1	1



Sentinel X200 Noise Reducer

- Leave in treatment to reduce boiler noise issues
- Suitable for all metals including aluminum

Part Number	Size	Box Qty	MOQ
X200-QT	QUART	4	1
X200-1GL	1 GALLON	4	1
X200-5GL	5 GALLON	1	1



Sentinel X300 New System Cleaner

- Removes oil, grease, & flux from new systems
- Helps prevent pinhole corrosion

Part Number	Size	Box Qty	MOQ
X300-QT	QUART	4	1
X300-1GL	1 GALLON	1	1
X300-5GL	5 GALLON	1	1



Sentinel X400 System Restorer

- Removes sludge and restores system effectiveness
- Suitable for all metals including aluminum

Part Number	Size	Box Qty	MOQ
X400-RD	10 OZ AEROSOL	4	1
X400-QT	QUART	4	1
X400-1GL	1 GALLON	4	1
X400-5GL	5 GALLON	1	1
X400-55GL	55 GALLON	1	1

water treatment products



Sentinel X500 Inhibited Antifreeze

- Protects pipes from sub zero temperatures
- Enhanced limescale and corrosion protection incorporating X100 formula
- Protects all system metals from corrosion

Part Number	Size	Box Qty	MOQ
X500-5GL	5 GALLON	1	1
X500-55GL	55 GALLON	1	1
X500-275GL	275 GALLON	1	1
X500-30P5GL	30% 5 GALLON	1	1
X500-30P55GL	30% 55 GALLON	1	1
X500-30P275GL	30% 275 GALLON	1	1
X500-35P5GL	35% 5 GALLON	1	1
X500-35P55GL	35% 55 GALLON	1	1
X500-35P275GL	35% 275 GALLON	1	1
X500-40P5GL	40% 5 GALLON	1	1
X500-40P55GL	40% 55 GALLON	1	1
X500-40P275GL	40% 275 GALLON	1	1
X500-50P5GL	50% 5 GALLON	1	1
X500-50P55GL	50% 55 GALLON	1	1
X500-50P275GL	50% 275 GALLON	1	1



Sentinel X800 Fast Acting Cleaner

- Fast acting cleaner removes deposits from system surfaces
- Effective even in no-heat conditions

Part Number	Size	Box Qty	MOQ
X800-RD	10 OZ AEROSOL	4	1



Sentinel Vortex Magnetic Dirt Filter

- Powerful 9,000 Gauss magnet for superior magnetic particle removal
- Excellent for boiler retrofits
- Easily serviceable with shut off valves included

Part Number	Size	MOQ
VTX300 75	¾" COMPRESSION ISOLATION VALVES	1
VTX500 1	1" NPT ISOLATION VALVES	1

water treatment products



Sentinel JetFlush 90

Power Flush Unit

- Instantaneous flow reversal for more effective cleaning
- Direct flush capabilities means debris isn't returned to the system
- Self priming

Part Number	Size	MOQ
JF-90	POWER FLUSH UNIT	1
JF-TURB	TURBIDITY TUBES	1



Sentinel X100 Test Kits

- Quick check for optimal levels of X100 in any hydronic system

Part Number	Size	MOQ
X100-TEST	SINGLE KIT	1
X100-TEST 10 PK	10 - PACK	1

commercial products



Commercial Flamcovent Clean Smart Magnetic Air / Dirt Separator Flanged

Complete line of ASME and non-ASME magnetic air & dirt separators featuring:

- Easy serviceability
- Built in dirt scraper loosens debris prior to blowdown
- Low flow resistance
- 5 year standard warranty
- Patent # US9,884,270 B2

Part Number: NON-ASME	Size	MOQ
FSADS-250N	2½"	1
FSADS-300N	3"	1
FSADS-400N	4"	1
FSADS-500N	5"	1
FSADS-600N	6"	1

* Sizes 8" - 24" are special order only

Part Number: ASME	Size	MOQ
FSADS-200A	2"	1
FSADS-250A	2½"	1
FSADS-300A	3"	1
FSADS-400A	4"	1
FSADS-500A	5"	1
FSADS-600A	6"	1
FSADS-800A	8"	1
FSADS-1000A	10"	1
FSADS-1200A	12"	1
FSADS-1400A	14"	1
FSADS-2000A	20"	1
FSADS-2400A	24"	1



NEX Series Expansion Tanks ASME Hydronic Expansion Tank

- Pre-charged ASME hydronic expansion tanks
- Removable bladder with integrity monitor
- Easily accessible air valve & sensor port

Part Number: ASME	Gallon	MOQ
NEXP-010	10	1
NEXP-013	13	1
NEXP-023	23	1
NEXP-035	35	1
NEXP-053	53	1
NEXP-079	79	1
NEXP-106	106	1
NEXP-132	132	1
NEXP-158	158	1
NEXP-211	211	1
NEXP-264	264	1

Part Number: ASME	Gallon	MOQ
NEXP-317	317	1
NEXP-370	370	1
NEXP-422	422	1
NEXP-528	528	1
NEXP-660	660	1
NEXP-792	792	1
NEXP-1056	1056	1
NEXP-1320	1320	1
NEXP-1980	1980	1
NEXP-2640	2640	1
NEXP-3963	3963	1



commercial products



FlexFlow Balancer

Magnetic Hydraulic Separator Flanged

- Hydraulic separator removes air, dirt, and ferrous metal particles while providing primary secondary separation
- Built in dirt scraper loosens debris prior to blowdown
- 5 year standard warranty
- Patent pending

Part Number	Size	MOQ
FMHS-250A	2 ½"	1
FMHS-300A	3"	1
FMHS-400A	4"	1
FMHS-500A	5"	1
FMHS-600A	6"	1
FMHS-800A	8"	1
FMHS-1000A	10"	1
FMHS-1200A	12"	1



Pressure Step Deaerator

Vacuum Deaerator for Dissolved Air

- Designed to completely remove dissolved air from hydronic systems
- Compact design
- Remote monitoring capabilities

Part Number:	MOQ
FPSD-250D	1



FlexTherm Eco - **Coming soon!**

Thermal Battery

- Converts electricity into heat and stores it for hot water supply
- Four times higher efficiency than traditional hot water sources
- Compact design fits under the counter

commercial flamcovent spare parts



Vent Top Assembly

- Replacement air vent assembly for commercial Clean Smart series and Flexflow Balancer

Part Number	MOQ
F28555	1



Dirt Scraper/Magnet Drain Assembly

- Replacement dirt scraper and blow down valve for commercial Clean Smart series

Part Number	MOQ
F31250	1



Bleed Valve

- Replacement bleed valve for commercial Clean Smart series

Part Number	MOQ
FAM367	1

valves



Autofill Valve

Boiler Fill Valve with Gauge

- Fast fill at 5 gpm
- Built in shutoff valve
- O ring connections for leak proof seal

Part Number	Size	MOQ
AF-050M	½" MNPT	1



Dual Check Backflow Preventer

Backflow Preventer, Low Lead

- ASSE 1012
- Low Lead
- Atmospheric port

Part Number	Size	MOQ
BFPNL-050F	½" FNPT X ½" FNPT	1
BFPNL-050S	½" SWT X ½" SWT	1
BFPNL-075F	¾" FNPT X ¾" FNPT	1
BFPNL-075S	¾" SWT X ¾" SWT	1

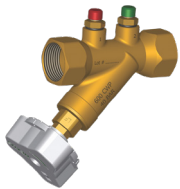


Vertex

Hydronic Balancing Valve

- Compact, dual control for balancing hydronic systems
- Combines flow readings, shutoff, and adjustment in one valve

Part Number	Size	MOQ
VTX-050T	½"	1
VTX-075T	¾"	1
VTX-100T	1"	1
VTX-125T	1 ¼"	1
VTX-150T	1 ½"	1
VTX-200T	2"	1



MBNL

Lead Free Manual Balancing Valve

- Lead free multi-turn valve with NSF61 and NSF372 certification
- P&T test plugs included

Part Number	Size	MOQ
MBNL-050	½"	1
MBNL-075	¾"	1
MBNL-100	1"	1

connections



NexLok NPT Adapter

- No tools required for installation
- NexLok 1/2"-1" fittings rated for 200° and 250 psi
- NexLok 1.25 - 2" fittings rated for 200° and 200 psi

Part Number	Size	MOQ
NLA-050	½"	1
NLA-075	¾"	1
NLA-100	1"	1
NLA-125	1 ¼"	1
NLA-150	1 ½"	1
NLA-200	2"	1



NexLok Tee

- No tools required for installation
- NexLok 1/2"-1" fittings rated for 200° and 250 psi
- NexLok 1.25 - 2" fittings rated for 200° and 200 psi

Part Number	Size	MOQ
NLT-050	½"	1
NLT-075	¾"	1
NLT-100	1"	1
NLT-125	1 ¼"	1
NLT-150	1 ½"	1
NLT-200	2"	1



NexLok Coupling

- No tools required for installation
- NexLok 1/2"-1" fittings rated for 200° and 250 psi
- NexLok 1.25 - 2" fittings rated for 200° and 200 psi

Part Number	Size	MOQ
NLC-050	½"	1
NLC-075	¾"	1
NLC-100	1"	1
NLC-125	1 ¼"	1
NLC-150	1 ½"	1
NLC-200	2"	1



NexLok 90° Elbow

- No tools required for installation
- NexLok 1/2"-1" fittings rated for 200° and 250 psi
- NexLok 1.25 - 2" fittings rated for 200° and 200 psi

Part Number	Size	MOQ
NLE90-050	½"	1
NLE90-075	¾"	1
NLE90-100	1"	1
NLE90-125	1 ¼"	1
NLE90-150	1 ½"	1
NLE90-200	2"	1



NexPress NPT Adapter

- Compatible with multiple press tool manufacturers
- EPDM O-rings
- Rated to 250° F, 200 psi
- Up to 50% glycol

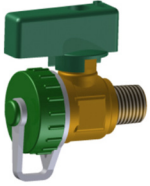
Part Number	Size	MOQ
NPA-050	½"	1
NPA-075	¾"	1
NPA-100	1"	1
NPA-125	1 ¼"	1
NPA-150	1 ½"	1
NPA-200	2"	1



NexLok Installation/Removal Tools

Part Number	Size	Tool	MOQ
TKA-NLDC-050	½"	Removal Tool	1
TKA-NLDC-075	¾"	Removal Tool	1
TKA-NLDC-100	1"	Removal Tool	1
TKA-NLDR-125.200	-	Removal Ring	1
TKA-NLDW-125.200	-	Removal Wrench	1
NLPI-050	½"	Pex Insert	1
NLPI-075	¾"	Pex Insert	1
NLPI-100	1"	Pex Insert	1
NLPI-125	1 ¼"	Pex Insert	1
NLPI-150	1 ½"	Pex Insert	1
NLPI-200	2"	Pex Insert	1

hydronic accessories



Blowdown/Drain Valve NPT

Part Number	Size	MOQ
BD-025	¼"	1
BD-050	½"	1
BD-075	¾"	1
BD-B-025 BULK 70	¼"	1
BD-B-050 BULK 45	½"	1
BD-B-075 BULK 45	¾"	1



Thermowell

Part Number	Size	MOQ
TW-075	¾"	1



PT Test Plug

Part Number	Size	MOQ	Weight
PT-025	¼"	1	-



Brass PT Test Plug Extension

Part Number	Size	MOQ
PTEB	-	1



Manual Air Vent

Part Number	Size	MOQ
MV-025	¼"	1



Manual Air Vent Extended Length

Part Number	Size	MOQ
MV-025L	¼"	1

flanges & gaskets



150# ANSI Class Flange x Groove Adapter

- Ductile Iron ASTM A395
- 250°F, 175 psi

Part Number	Size	MOQ
FGA-0250	2 ½"	1
FGA-0300	3"	1
FGA-0400	4"	1
FGA-0500	5"	1
FGA-0600	6"	1
FGA-0800	8"	1
FGA-1000	10"	1
FGA-1200	12"	1
FGR-300-250	3" x 2 ½"	1



Flange Gasket

- 150# EPDM Gasket

Part Number	Size	MOQ
FG-0250	2 ½"	1
FG-0300	3"	1
FG-0400	4"	1
FG-0500	5"	1
FG-0600	6"	1
FG-0800	8"	1
FG-1000	10"	1
FG-1200	12"	1

terms & conditions

General: These terms and conditions supersede all previous versions. Terms and conditions of sale are subject to change without notice. Standard Aalberts hydronic flow control multipliers apply.

Acceptance: Acceptance of Buyer's purchase order is according to the conditions and terms set forth herein and according to prices, shipping schedules, physical description of goods to be furnished by Aalberts hydronic flow control. We reserve the right to adjust orders to box quantities. Minimum order value is \$100 net. Orders less than \$100 will be billed at \$100 plus any shipping charges.

Terms of Payment: Net 30 days from date of invoice. All past due invoices will be subject to a two percent (2%) service charge, per month. All invoices are e-mailed.

Shipping: Prepaid shipping to one destination on \$2,500 net or more stock from this price list. No free freight will be allowed on Air Freight, Air Express, parcel post, or other expedited shipment methods.

Returns, Cancellations, Order Changes: Written factory approval is required for all returns. Returns will be accepted for products purchased within 120 days. A minimum service charge of thirty percent (30%) of the invoice price will be charged for the restocking of assembled items in a new and unused condition. A minimum service charge of twenty percent (20%) of the invoice price will be charged for restocking of unassembled items in a new and unused condition. The credit will be based on the original invoice price or the current price, whichever is lower, less the applicable restock charge. Canceled orders will be subject to a thirty percent (30%) cancellation charge. Changes to any released order will be subject to a thirty percent (30%) change order fee plus the cost of any additional components. Change orders to products that have "shipped" shall be considered cancellations. The subsequent re-order shall be subject to a new lead time.

Custom & Special Orders: Custom or special orders are not subject to standard lead times. There will be no returns or cancellations.

Breakage: All material is carefully packed. If an article is broken in transit, the condition of the package at its destination is no evidence of its original condition. When material is shipped to a customer and has been receipted for by the Transportation Company, in good condition, the shipment immediately becomes property of the consignee. **NO ALLOWANCE WILL BE MADE FOR BREAKAGE IN TRANSIT, AND COSIGNEE MUST LOOK TO TRANSPORTATION COMPANY FOR RELIEF.** If the materials arrive "short count" or in damaged condition, refuse it until the station agent notes the shortage or breakage on freight bill.

Every claim on account of defective material or workmanship or for any other cause shall be deemed waived by customer, unless in writing thirty (30) days from the date of receipt of goods to which such claims relates. Claims for shortages must be made within forty eight (48) hours of receipt of shipment.

Errors, Omissions, & Changes: Aalberts hydronic flow control can accept no responsibility for possible errors or omissions in printed materials and reserves the right to alter its products without notice. All prices are subject to change without notice. All trademarks in this material are property of the respective companies, Aalberts hydronic flow control, Nexus Valve, Flamco, Sentinel.

warranty

Limited Warranty

All goods sold hereunder are warranted to be free from defects in material and factory workmanship. Products and components shall be warranted by manufacturer per the schedule below from the originally installed date. Products must be installed per the instructions listed in the installing documents by a Plumbing, Heating, or Mechanical Professional.

Replacement Parts

Aalberts hydronic flow control will replace or repair any product or component, which is determined to be defective in workmanship or material, free of charge, provided such products are installed in accordance with the best practices accepted in the trade and recommended in the Aalberts hydronic flow control IOM.

Liability

The liability of Aalberts hydronic flow control is strictly limited to replacement or repair of the defective part only which must be returned to Aalberts hydronic flow control with written notice before such replacement or repair is made. Aalberts hydronic flow control is not liable for incidental or consequential damages, including but not limited to loss of profit, expenses of delays, and lost service time.

Exclusions

This warranty applies only to defects in workmanship or material. The warranty does not include threaded connections, union connections, press connections, O-rings, gaskets, field connections, or products subject to conditions beyond those specified for the products. This warranty is in lieu of all other warranties, whether expressed or implied.

- | | |
|--------------------------------|---------|
| • PSD Pressure Step Deaerator | 2 years |
| • Flamco Smart Series: | 5 years |
| • Flexconsole: | 5 years |
| • NexBalance: | 5 years |
| • NEX Series Expansion Tanks: | 5 years |
| • Flexvent, Pro, Super, Top: | 5 years |
| • Nexus Valve Vertex: | 5 years |
| • Autofill: | 5 years |
| • Backflow Preventer: | 5 years |
| • All Replacement Spare Parts: | 1 year |



hydronic flow
control



winning together for tomorrow

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