

HVAC DISTRIBUTION MANIFOLDS

SAV SystemsProduct Brochure



HVAC DISTRIBUTION MANIFOLDS

	Page
Overview	6
HVAC Distribution Manifolds	7
Underfloor Overview	21
Manifolds (ZonaFar)	22

ABOUT SAV SYSTEMS



SAV Systems

SAV Systems is a leading provider of innovative building services solutions designed to boost energy efficiency and cut carbon emissions.

Products vary from sophisticated mini-CHP systems to simple water meters, but all are purpose-developed to serve a better internal environment and a greener world.

Used as individual products, or integrated into custom-designed systems, the SAV range makes a perfect partner for low energy technologies from renewables to central plant and even district heating systems.

It's a full family of choice sourced from some of the world's leading specialist companies - our Partners in Technology. Product groups cover the full spectrum of modern building services.

SAV has been operating in the UK since 1988.

Hard won skills and experience have been used to create a Development and Distribution Centre for the world's finest fluid control valves and systems.

Working in liaison with our Partners in Technology we have access to comprehensive ranges of components backed by the latest in research, development and manufacturing techniques.

Our Partners are all leading figures in their specialist sectors. SAV's development team provides the catalyst that binds superb individual products into cost-efficient solutions, tailored to meet the special needs of the British construction industry.

Quality is the common thread that runs through all SAV activity. We insist on quality in both human and technical resources. It is quality that ensures efficiency and reliability and thus customer satisfaction.

And we believe that satisfied customers are our best guarantee of a long and prosperous future.

FloCon™ COMMISSIONING MODULES



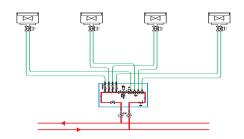
Fan coil and chilled beam headers

Overview

Modules are purpose designed to act as the distribution "hub" for groups of terminal units and can be configured for fan coils, chilled beams etc.

Each compact unit has all components for balancing, commissioning and control - including multi-port manifold, automatic air vent and isolation valves - housed in a pre-insulated galvanised steel casing.

Differential Pressure Control Valves (DPCV's), energy meters etc can also be accommodated, as the project requires.



System Benefits

- Faster, cheaper installation with centralisation of commissioning valves and terminal branches that flush, vent and back-flush centrally.
- Great flexibility in Building Design with fewer access points, minimal space requirement around terminals, simplified pipe sizing and easier routing
- Optimum flow control. Flow balance holds when changes occur elsewhere and there is no need for upstream balancing valves.
- Simpler, less frequent maintenance. Each FloCon™
 Commissioning Module incorporates a large strainer with ball valve isolation, which protects the entire system from scale and debris in the pipe work so dirt cannot enter (and block) the terminal branches Commissioning valves are grouped and a single person can balance flows. Easy to remove units for repair or add new terminals to the system

Literature



FloCon Brochure



FloCon Design Guide

The above documents are available for download by visiting our website at:

www.sav-systems.com

alternatively a printed copy can be obtained by calling 020 8979 4153.

Partners in Technology

Since its foundation in 1957 the Cimberio Group has produced hundreds of millions of valve products, which have been distributed throughout the world.



www.cimberio.it

FAR Rubinetterie S.p.A. has a proud 30 year history in the design and manufacture of components for heating, plumbing and sanitary systems.

www.far.eu



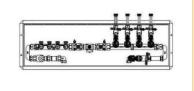
HVAC DISTRIBUTION MANIFOLDS



	HEATING	
CODE: 876	Description: Heating - Radiant Panels	PAGE 11
CODE: 840	Description: Heating - Radiators	PAGE 12
CODE: 864	Description: Trench Heaters	PAGE 13
CODE: 911	Description: UFH with By-pass	PAGE 14
CODE: 501	Description: UFH with Pump Kit	PAGE 15



VENTILATION & AIR CONDITIONING

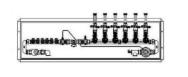


CODE: Description:

843

Commissioning Module - Constant Flow

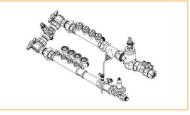
PAGE 16



CODE: Description:

835 Commissioning Module - Variable Flow

PAGE 17



CODE: Description:

957 Chilled Beam Assembly

PAGE

18

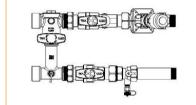


CODE: Description:

818 (DN 15) 820 (DN 20) 824 (DN 25) 637 DN (32) Monolink Constant Flow

PAGE

19



CODE: Description: 811 (DN 15)

Monolink Variance (DN 15)

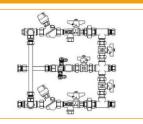
813 (DN 20) 806 (DN 25) 636 DN (32) Monolink Variable Flow

PAGE

20



HVAC DISTRIBUTION SOLUTIONS



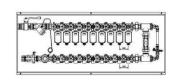
CODE: Description:

LPHW and chilled water manifold

assembly with a common return

PAGE

Full Datasheet Coming Soon



CODE: Description:

288

890

640

907

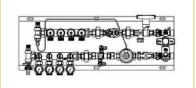
672

Radiant manifold assembly with 2-Port

valves & bleed by-pass

PAGE

Full Datasheet Coming Soon



CODE: Description:

Radiator manifold assembly with differential pressure controller, metering station and Temperature gauges on the return

PAGE

Full Datasheet Coming Soon



CODE: Description:

Manifold assembly in insulated enclosure with energy meter & 2-Port

valve with actuator

PAGE

Full Datasheet Coming Soon



CODE: Description:

Radiator manifold assembly with

cylinder feed

PAGE

Full Datasheet Coming Soon



CODE: Description:

Chilled Beam with Temperature control

PAGE

Full Datasheet Coming Soon



HVAC DISTRIBUTION MANIFOLD ACCESSORIES



CODE: **Description:**

1000

3434

972

198, 199

973

974

Energy Meter with temperature sensor

PAGE

Full Datasheet Coming Soon



CODE: **Description:**

Temperature gauge

PAGE

Full Datasheet Coming Soon



CODE: **Description:**

3428 Flow gauge **PAGE**

Full Datasheet Coming Soon

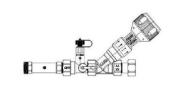


CODE: **Description:**

Automatic balancing valve

PAGE

Full Datasheet Coming Soon



CODE: **Description:**

192, 195, Commissioning set with flow 196, 197, straightener

PAGE

Full Datasheet Coming Soon

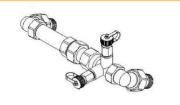


CODE: **Description:**

2-Port valve with actuator

PAGE

Full Datasheet Coming Soon



CODE: **Description:**

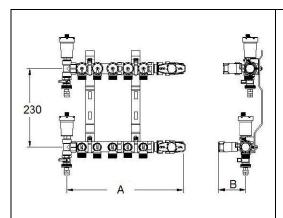
Commissioning module By-pass-assy

PAGE

Full Datasheet Coming Soon



876 - Heating / Radiant panel Manifold assemblies

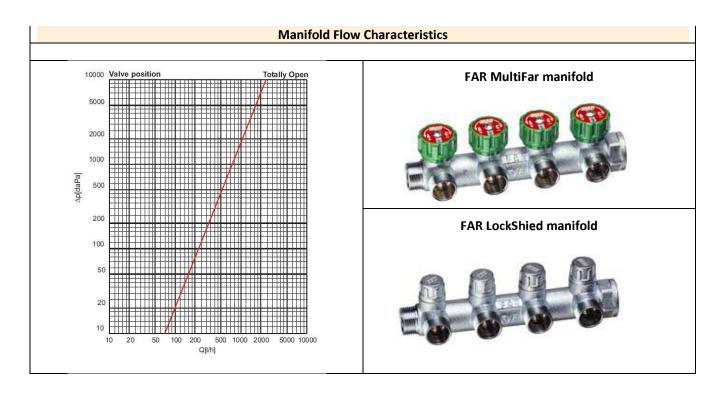


Dimension table				
Ports	orts Manifold 20-mm		Manifo	old 25-mm
	A	В	A	В
2	230		252	
3	275		297	
4	320	70	342	80
5	365		387	
6	410		432	

Note: Manifold assemblies are available with larger port allocations on request

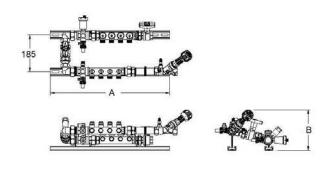
Technical Data

Manifold Size	20-mm	25-mm		
Manifold Port flow	See graph below			
Manifold Material	Brass			
Manifold	Flow -MultiFar Return - LockShield			
Centre between ports	45-mm	45-mm		
Maximum operating pressure	10 bar	10 bar		
Maximum operating temperature	95 °C	95 °C		



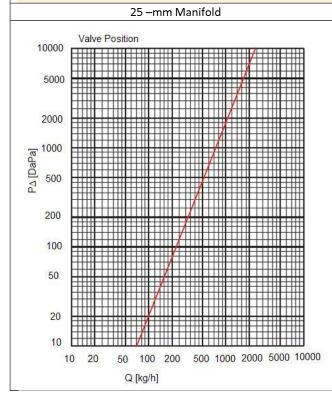


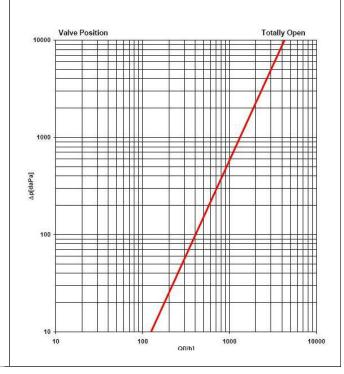
840 - Radiator Heating Manifold



Dimension table				
Ports	Manifol	ld 25-mm	Manifol	d 32-mm
	А	В	A	В
2 to 4	600		600	
5 to 8	800	210	800	250
Note: Manifold assemblies are available with				

Technical Data				
	Manifold 25 -mm Manifold 32-mm			
Features	Standard manifold assemblies are fitted with an IV on the flow and a Commissioning set with flow strainer on the return. A by-pass valve, DOC & AAV on the Flow and MAV & drain on the return is provided for flushing and venting. Different combinations to suit system requirements are available on request.			
Manifold Port flow	See Flow charts below			
Max manifold flow	0.54 l/sec	1.12 l/sec		
Manifold suitability	Heating			
Centres between ports	45 - mm	70 - mm		
Maximum operating pressure	10 bar	10 bar		
Maximum operating temperature	95 °C	95 °C		
Manifold Flow Characteristics				

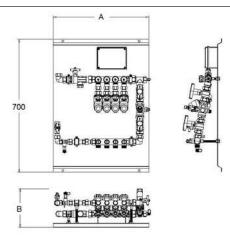




32-mm Manifold



864 - Trench Heating Manifold



Ianifold	1 20-mm	Manifol	1.05
		машног	d 25-mm
Α	В	Α	В
500	200	500	250
	200		200
	700 fold ass	700 200 fold assemblies a	500 500

Manifold 25-mm

Features	,

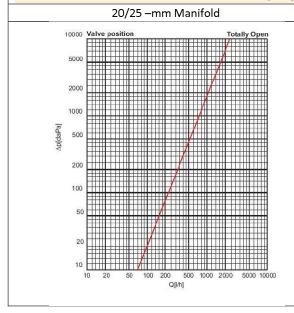
Manifold Port flow
Max manifold flow
Manifold suitability
Centres between ports
Max operating pressure
Max operating temperature

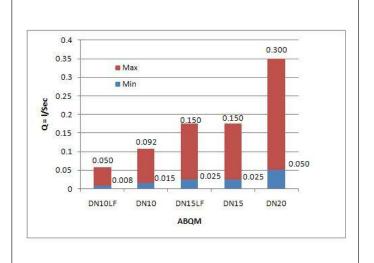
Standard Trench heater manifold assemblies are fitted with an IV + strainer on the flow and an IV with metering station & flow straightener on the return. A by-pass valve with MAV & DOC is provided for flushing and venting. Automatic balancing valves (ABQM) with thermal actuators wired to a common terminal box are provided for control purposes. Different combinations to suit system requirements are available on request.

Manifold Flow Characteristics

Technical Data

Manifold 20 -mm

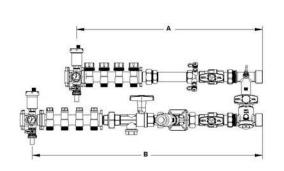




ABQM



911 - UFH with By-Pass



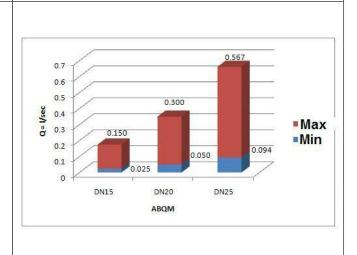


Dimension table				
Ports	Manifold 25-mm			
	A	В		
2	530	680		
3	580	730		
4	630	780		
5	680	830		
6	730	880		

Note: Manifold assemblies are available with larger port allocations

	Technical Data		
	Manifold 20 -mm	Manifold 25-mm	
Features	The UFH manifold assembly is fitted with a by-pass having isolation to flow & return. The Flow manifold is equipped with ABQM and IV with strainer, AAV, DOC, LockShield adjustable valves on each port and if required, can be provided with Temperature and or flow gauge. The Return manifold is fitted with a metering station with flow straightener, adjustable valve on each port, AAV and DOC. If required the port valves can be fitted with thermal adjusting heads for connection to a central control station.		
Manifold Port flow	See Flow charts below		
Max manifold flow	0.54 l/s	ec	
Manifold suitability	Under Floor Heating		
Centres between ports	50 - mm		
Maximum operating pressure	10 bar		
Maximum operating temperature	95 °C		

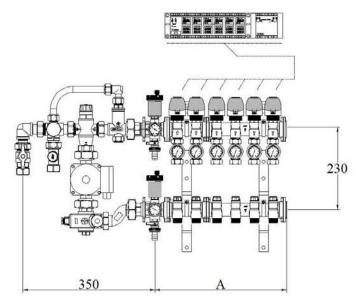
25 -mm Manifold 10,000 10,000 100



ABQM



501 - UFH Heating Manifold



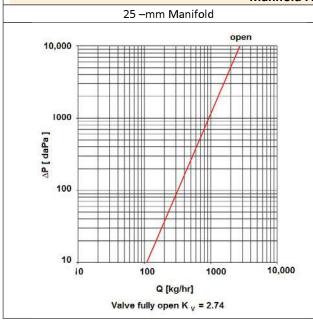
The UFH system is designed for connection to a primary flow & return. A secondary circulator to effectively distribute a set water temperature can be provided if required. The system temperature is controlled by a thermostatic mixer to blend water from the return circuit with hot water from the boiler. A security thermostat on the flow ensures that excessively high temperature water cannot enter the system should the mixer valve fail. To enhance control an electronic Controller for thermostatic control of the port outlets and boiler control can be provided.

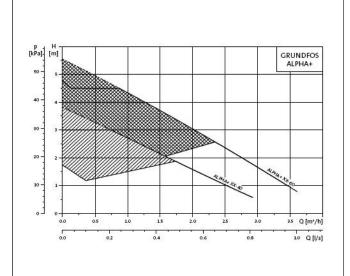
Dimensions					
Ports	2	3	4	5	6
Dimension A	150	200	250	300	350

Note: Manifold assemblies are available with larger port allocations on request

Technical Data		
	Manifold 25-mm	
Manifold Port flow	See Flow charts below	
Max manifold flow	0.54 l/sec	
Manifold suitability	Under Floor Heating	
Centres between ports	50 - mm	
Maximum operating pressure	10 bar	
Maximum operating temperature	95 °C	

Manifold Flow Characteristics

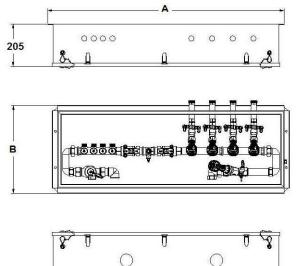




Grundfos pump Alpha = 15 60

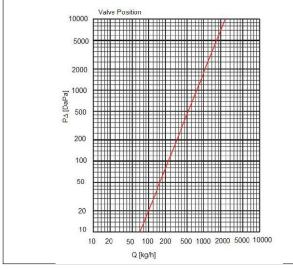


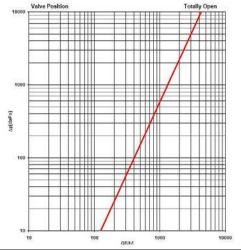
843 - Commissioning module constant flow



Dimensions					
25-m	25-mm Manifold CM module				
Ports	2	3	4	5	6
A	852	997	1142	1287	14.52
В	422				
32-mm Manifold CM module					
Ports	2	3	4	5	6
Α	967	1137	1307	14.77	1647
В	452				
Note: 7-Port	modu	les are	availal	ole on re	quest

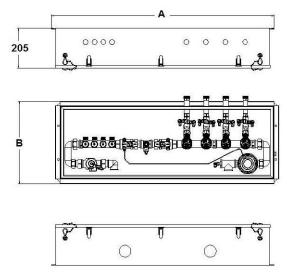
	Technic	al Data		
	Manifold 25	5 -mm	Manifold 32-mm	
Features	Please refer to the SAV FloCon commissioning modules data sheet for design application notes. In general this product is designed for constant flow systems and sized and comeet the specific criteria for a project			
Manifold Port flow		See Flow char	rts below	
Max manifold flow 0.54 l/se		ec	1.12 l/sec	
Manifold suitability		Heating and cooling systems		
Centres between ports	Flow 45 – mm Return 100-mm		turn 100-mm	
Maximum operating pressure	10 bar		10 bar	
Maximum operating temperature	95 °C		95 °C	
	Manifold Flow	Characteristics	'	
20/25 –mm Ma	nifold			
10000 Valve Position 5000 2000 1000 6 500		Valve Posi	tion Totally Open	







835 - Commissioning module Variable flow

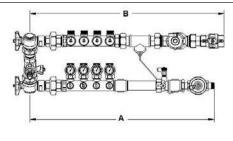


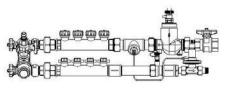
Dimensions					
25-m	25-mm Manifold CM module				
Ports	2	3	4	5	6
Α	852	997	1142	1287	1452
В	422				
32-mm Manifold CM module					
Ports	2	3	4	5	6
Α	967	1137	1307	14.77	1647
В	452				
Note: 7-Port modules are available on request					

Manifold 25 -mm	design and to meet the nilar variant can sec
application notes. In general this product is designed for Variable flow systems and sized to specific criteria for a project. If required, a by-pass, Energy meter or simincorporated in the module design. Manifold Port flow Max manifold flow Max manifold suitability Manifold suitability Centres between ports Maximum operating pressure Maximum operating temperature application notes. In general this product is designed for Variable flow systems and sized to specific criteria for a project. If required, a by-pass, Energy meter or simincorporated in the module design. See Flow charts below 1.12 l/s Heating and cooling systems Flow 45 – mm Return 100-mm Maximum operating temperature 95 °C 95 °C	to meet the nilar variant can sec
Features In general this product is designed for Variable flow systems and sized to specific criteria for a project. If required, a by-pass, Energy meter or simincorporated in the module design. Manifold Port flow Max manifold flow Manifold suitability Centres between ports Maximum operating pressure Maximum operating temperature In general this product is designed for Variable flow systems and sized to specific criteria for a project. If required, a by-pass, Energy meter or simincorporated in the module design. See Flow charts below 1.12 l/s Heating and cooling systems Flow 45 – mm Return 100-mm 10 bar 95 °C 95 °C	nilar variant can
specific criteria for a project. If required, a by-pass, Energy meter or simincorporated in the module design. Manifold Port flow Max manifold flow Maximum operating pressure See Flow charts below 0.54 l/sec 1.12 l/s Heating and cooling systems Flow 45 – mm Return 100-mm 10 bar 95 °C 95 °C	nilar variant can
incorporated in the module design. Manifold Port flow Max manifold flow Max manifold suitability Manifold suitability Centres between ports Maximum operating pressure Maximum operating temperature incorporated in the module design. See Flow charts below 1.12 l/s Heating and cooling systems Flow 45 – mm Return 100-mm 10 bar 95 °C 95 °C	sec
Manifold Port flow Max manifold flow O.54 l/sec Manifold suitability Centres between ports Maximum operating pressure Maximum operating temperature See Flow charts below 1.12 l/s Heating and cooling systems Flow 45 – mm Return 100-mm 10 bar 95 °C 95 °C	ar
Max manifold flow O.54 l/sec Heating and cooling systems Centres between ports Flow 45 – mm Return 100-mm Maximum operating pressure 10 bar 10 bar 95 °C 95 °C	ar
Manifold suitability Centres between ports Maximum operating pressure Maximum operating temperature Heating and cooling systems Flow 45 – mm Return 100-mm 10 bar 95 °C 95 °C	ar
Centres between ports Flow 45 – mm Return 100-mm Maximum operating pressure 10 bar 95 °C 95 °C	
Maximum operating pressure 10 bar 10 bar Maximum operating temperature 95 °C 95 °C	
Maximum operating temperature 95 °C 95 °C	
	C
Manifold Flow Characteristics	_
Walliota Flow Characteristics	
20/25 –mm Manifold	
Valve Position Valve Position Valve Position Valve Position 10000 2000 1000 200 1000 200 1000 200 1000	Totally Open
10 20 50 100 200 500 1000 2000 5000 10000	



957 - Chilled Beam Assembly







Dimensions					
Ports	2	3	4	5	6
		Dimension A			
25-mm	550	595	640	685	730
32-mm	650	720	790	860	930
	Dimension B				
25-mm	530	600	670	740	810
32-mm 610 680 750 820 890 Note: Manifold assemblies are available with larger port allocations 0n request					

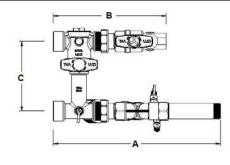
Chilled beam assemblies are designed primarily for control of installations having a variable flow to chilled water cooling applications. The assembly can however also be used in other applications requiring similar control.

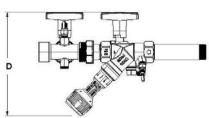
The assembly comprises of: Flow: IV, large bodied strainer, Flow manifold Bypass: IV, MAV and DOC Return: Differential pressure controller, Metering station, Flow manifold with temperature gauges on outlet ports

Technical Data Manifold 25 -mm Manifold 32-mm Manifold Port flow See Flow charts below Max manifold flow 0.54 l/sec 1.12 l/sec Manifold suitability Cooling / Heating Centres between ports 45 - mm 70 - mm 10 bar Maximum operating pressure 10 bar 95 °C 95 °C Maximum operating temperature **Manifold Flow Characteristics** 25 -mm Manifold 32 -mm Manifold Valve Position 10000 5000 2000 200 100 50 20 10 Q [kg/h]



818, 820, 824 and 637 - Monolink, Constant Flow





This series of FloCon™ Monolinks is a compact design of IV and By pass valves for the control of constant water flow to Fan Coil units.

Dimensions					
Size	15	20	25	32	
Α	250	310	360	360	
В	170	200	245	450	
С	100	100	150	230	
D	185	210	220	220	
Note: 40 & 50-mm assemblies are available					
	О	n request			

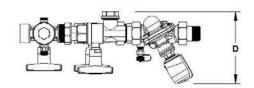
Technical Data

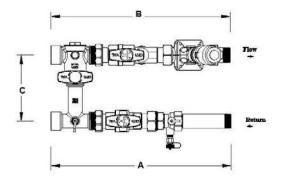
Size	Available in DN-15, DN-20, DN-25, DN-32, DN-40 and DN-50			
Manifold Port flow	See Flow charts below			
Manifold suitability	Heating / Cooling			
Maximum operating pressure	10 bar			
Maximum operating temperature	95 °C			

		Flow Ch	aracteristics
CS Size	Flow range	kvs	
	1/sec		
15 LL	0.014 - 0.028	0.473	
15 ML	0.028 - 0.055	0.976	
15 SL	0.055 - 0.095	1.799	
15 SS	0.095 - 0.12	1.799	
20	0.12 - 0.29	4.057	
25	0.21 - 0.54	7.452	
32	0.46 - 1.12	16.628	
40	1.12 - 0.7	23	
50	0.7 - 1.3	47.351	



811, 813, 806 and 636 - Monolink, Variable Flow





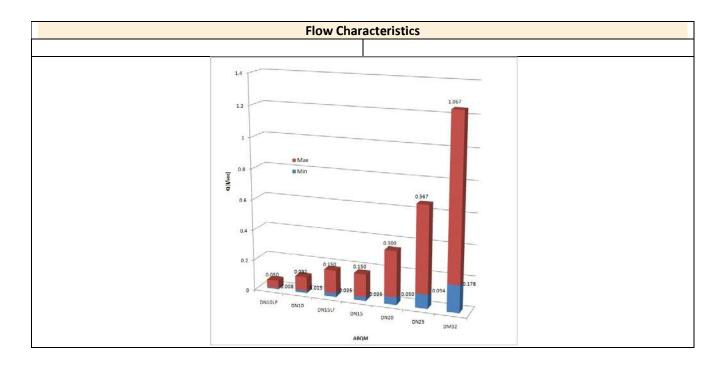
This series of FloCon[™]Monolinks is a compact design of IV, Automatic Balancing valves and By pass valve for the control of variable water flow to Fan Coil units.

Dimensions					
Size	15	20	25	32	
A	285	345	410	570	
В	280	330	410	395	
C	100	100	150	230	
D	130			190	

Note: 40 & 50-mm assemblies are available on request

Technical Data

Size	Available in DN-15, DN-20, DN-25, DN-32, DN-40 and DN-50			
Manifold Port flow	See Flow charts below			
Manifold suitability	Heating / Cooling			
Maximum operating pressure	10 bar			
Maximum operating temperature	95 °C			





Overview

Underfloor Heating requires only low temperature hot water and is ideal for use with modern condensing boilers. With Underfloor Heating, comfort levels are high and running costs are low.

Utilising today's modern multilayer pipes, control systems and high efficiency boilers, the underfloor heating systems of today are extremely comfortable and controllable. Radiators are no longer needed so giving more room space. The heat is more evenly distributed and dust is not circulated.

Underfloor heating has made it possible to reduce energy consumption by using low water temperatures.

y

System Benefits

- Space & Economics Every square metre of your home can be fully utilised and the cost for our system is very similar to a radiator system.
- Hygiene No dust and the underfloor heating will help to reduce house dust mites which is a benefit to asthma sufferers.
- Aesthetics & Labour Saving You can design your home to suit your needs rather than that of your heating engineer. Cleaning of the floors is easier and wet floors dry very quickly.
- Silence & Comfort Radiant heat will provide the highest comfort levels at an even temperature throughout. Compared to radiator systems, there is no noise.
- Cost effective It has been proven that energy saving from 15-40% can be achieved with underfloor heating.
- Ease of control Small temperature between the floor surface and the air above means the system is practically self regulating.

Partners in Technology

FAR Rubinetterie S.p.A. has a proud 30 year history in the design and manufacture of components for heating, plumbing and sanitary systems.

www.far.eu



Installation











FAR 3445	Automa	Automatic air vent, thermomete and drain cock		
CODE	Size	PRICE £		

CODE	Size	PRICE £
F3445-25	1"	See List

FAR 3446 Automatic air vent, thermometer, pressure gauge and drain cock.

CODE	Size	PRICE £
F3446-25	1"	See List





FAR 3929 "ZonaFAR" BSP flow & return manifold incl. brackets - Excl. adaptors and end plugs.

CODE	Size	PRICE £	
F3929-3202	1 1/4"	See List	
F3929-3203	1 1/4"	See List	
F3929-3204	1 1/4"	See List	
F3929-3205	1 1/4"	See List	
F3929-3206	1 1/4"	See List	
F3929-3207	1 1/4"	See List	
F3929-3208	1 1/4"	See List	
F3929-3209	1 1/4"	See List	
F3929-3210	1 1/4"	See List	
F3929-3211	1 1/4"	See List	
F3929-3212	1 1/4"	See List	



FAR 4100

"ZonaFAR" end plug

CODE	Size	PRICE £
F4100-32	1 1/4"	See List



FAR 4150

"ZonaFAR" end plug

CODE	Size	PRICE £
F4150-32	1 1/4"	See List





FAR 3445	Automa	itic air vent, thermometer and drain cock.
CODE	Cino	DDICE C

CODE	Size	PRICE £
F3445-25	1"	See List

FAR 3446 Automatic air vent, thermometer, pressure gauge and drain cock.

CODE	Size	PRICE £
F3446-25	1"	See List





FAR 3916 Pre-assembled "ZonaFAR" incl. brackets. Excl. adaptors and end plugs.

CODE	Size	PRICE £	
F3916-2502	1"	See List	
F3916-2503	1″	See List	
F3916-2504	1"	See List	
F3916-2505	1″	See List	
F3916-2506	1"	See List	
F3916-2507	1"	See List	
F3916-2508	1"	See List	
F3916-2509	1"	See List	
F3916-2510	1"	See List	
F3916-2511	1"	See List	
F3916-2512	1"	See List	



FAR 4310

"ZonaFAR" end plug

CODE	Size	PRICE £
F4310-25	1"	See List



FAR 4150

"ZonaFAR" end plug

CODE	Size	PRICE £
F4150-25	1"	See List





FAR 3481

30°C - 60°C

ZonaFar failsafe mixing arrangement, excluding pipe fittings and Grundfoss 15-60 Alpha Base pump.

CODE	Size	Ports	PRICE £
F3481-2503	1"	3	See List
F3481-2504	1″	4	See List
F3481-2505	1″	5	See List
F3481-2506	1″	6	See List
F3481-2507	1″	7	See List
F3481-2508	1″	8	See List
F3481-2509	1"	9	See List
F3481-2510	1″	10	See List
F3481-2511	1"	11	See List
F3481-2512	1″	12	See List



FAR 3483

30°C - 60°C

Integrated ZonaFar failsafe mixing for underfloor and radiator circuits, excluding pipe fittings and Grundfoss 15-60 Alpha Base pump.

CODE	Size	U/F	Rad	PRICE £
F3483-250302	1"	3	2	See List
F3483-250402	1″	4	2	See List
F3483-250502	1"	5	2	See List
F3483-250602	1″	6	2	See List
F3483-250702	1″	7	2	See List
F3483-250802	1″	8	2	See List
F3483-250902	1″	9	2	See List
F3483-251002	1″	10	2	See List
F3483-251102	1"	11	2	See List
F3483-250303	1″	3	3	See List
F3483-250403	1"	4	3	See List
F3483-250503	1″	5	3	See List
F3483-250603	1″	6	3	See List
F3483-250702	1″	7	3	See List
F3483-250803	1"	8	3	See List
F3483-250903	1″	9	3	See List
F3483-251003	1"	10	3	See List





FAR 3564

CODE	Size	Ports	PRICE £
F3564-102	1"	2	See List
F3564-103	1"	3	See List
F3564-104	1"	4	See List
F3564-105	1"	5	See List
F3564-106	1"	6	See List
F3564-107	1"	7	See List
F3564-108	1"	8	See List
F3564-109	1"	9	See List
F3564-110	1"	10	See List
F3564-111	1"	11	See List
F3564-112	1"	12	See List



FAR 3927

CODE	Size	Ports	PRICE £
F3297-11202	1 1/2"	2	See List
F3297-11203	1 1/2"	3	See List
F3483-11204	1 1/2"	4	See List
F3483-11205	1 1/2"	5	See List
F3483-11206	1 1/2"	6	See List
F3483-11207	1 1/2"	7	See List
F3483-11208	1 1/2"	8	See List
F3483-11209	1 1/2"	9	See List
F3483-11210	1 1/2"	10	See List
F3483-11211	1 1/2"	11	See List
F3483-11212	1 1/2"	12	See List



SAV Systems - greener by design

Established in 1988 SAV Systems is a leading provider of innovative building services solutions designed to boost energy efficiency and cut carbon emissions. Head office is in Surrey in the United Kingdom, but the company has partnership links with specialist manufacturers across Europe.

The SAV range makes a perfect partner for low energy technologies from renewables to central plant and even district heating systems.

Products vary from sophisticated mini-CHP systems to simple water meters, but all are purpose-developed to serve a better internal environment and a greener world.

SAV Systems' technical team can help specifiers to successfully integrate modules into their projects and specially prepared design guides are also available.

SAV Systems modules are delivered pre-packaged and pre-tested to integrate easily into modern, fast-track construction programmes.

- Ultra-compact SAV Flatstations
- FloCon[™] fan coil and chilled beam commissioning modules
- LoadTracker modulating energy centres
- SAV metering and monitoring services
- SAV Warehouse