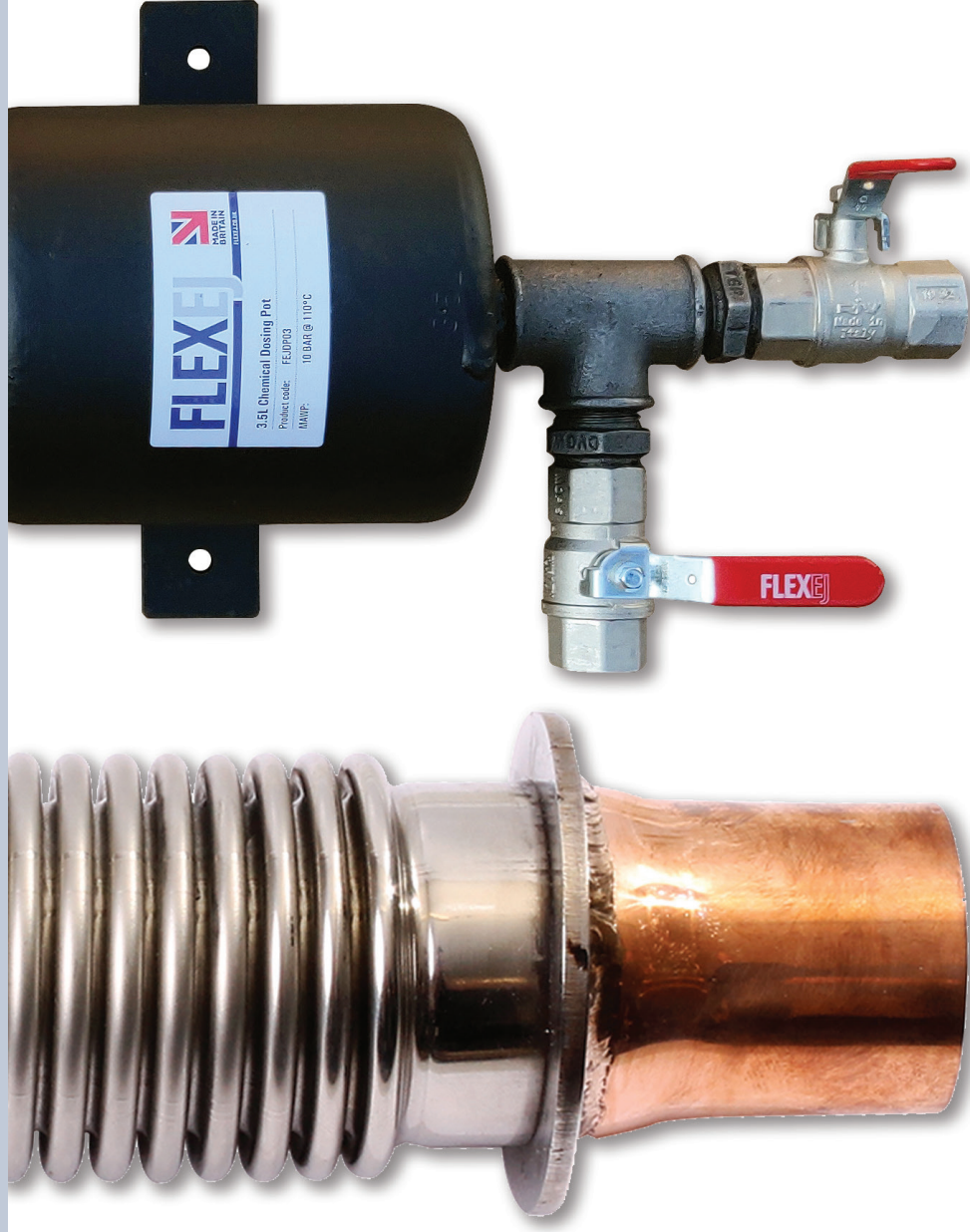


HVAC



dosing pots
low loss headers
air & dirt separators
metal expansion joints
rubber expansion joints

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Welcome

FlexEJ offers a broad range of pipe expansion joints and pressure fabrications; we are both stockist and manufacturer with factories in the UK and Spain.

- Rubber and metal pipe expansion joints from DN15 to over DN3600
- Metal hose assemblies
- Dosing pots, air & dirt separators and low loss headers for HVAC applications
- Pressure vessels and fabrications

We are accredited to ISO9001, ISO14000 and the PED. As required we offer full material traceability, documentation and compliance with client specifications – our welders are qualified to both EN and ASME.

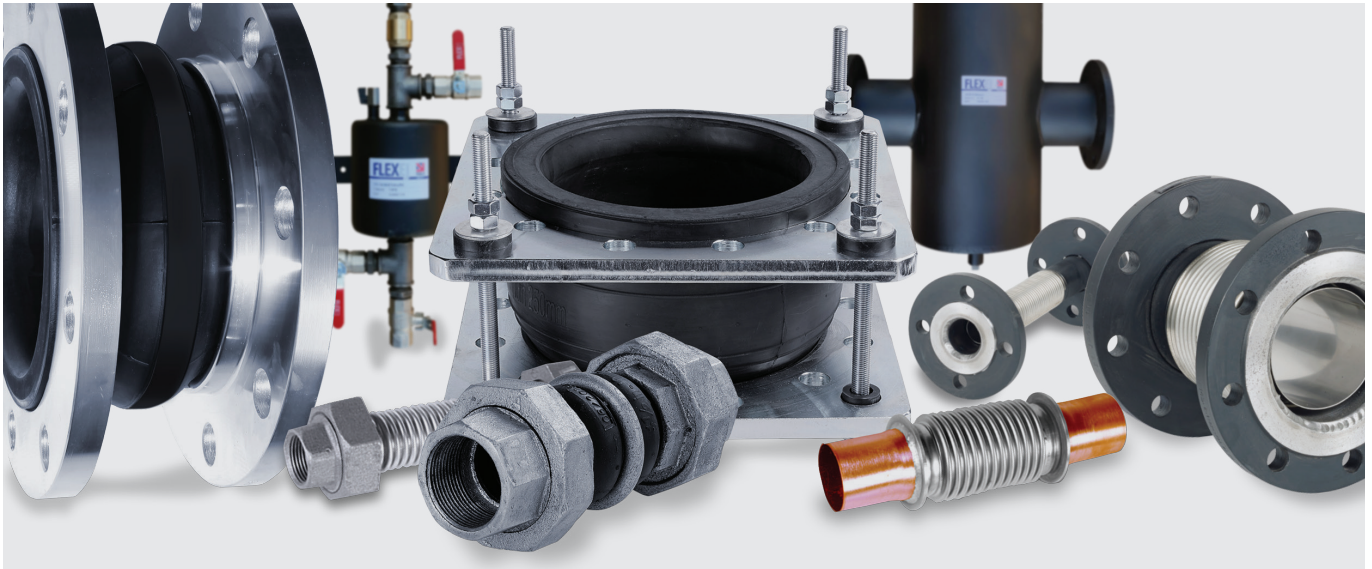
You can also buy a wide range of stock expansion joints and HVAC fabrications direct from our web shop at flexej.co.uk with next day delivery.

We are here to help; please get in touch by phone, email or via the website live chat facility. We will be delighted to assist you in selecting the right stock product through to developing a unique design for your application.

Tim Robinson
Director

FlexEJ Ltd

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Contents

04 Rubber Bellows

- 04 HVAC Flanged Rubber Bellows – Untied
- 05 HVAC Flanged Rubber Bellows – Tied
- 06 HVAC Union Rubber Bellows

07 Elaflex

- 07 Red Band / ERV-R
- 09 Rotex
- 11 Red Spot / ERP

13 Metal Bellows

- 13 Copper End Axial Expansion Joints
- 14 Union End Axial Expansion Joints
- 15 Flanged Axial & Pump Expansion Joints

16 Product comparison table

17 PE(S)R – PED

18 Bolt and Gasket Packs

19 Air & Dirt Separators

- 19 Air Separators
- 20 Dirt Separators
- 21 Air & Dirt Separators

22 Low Loss Headers – High Power

- 23 High Power Insulation

24 Low Loss Headers – Low Power

- 24 DN20–DN25
- 25 DN32–DN50
- 26 DN65 PN6
- 27 Low Power Insulation
- 28 Low Power Manifolds

29 Chemical Dosing Pots

26 Engineered to order

30 Low Loss Headers – High Power Engineered to order

31 Manufactured to order

HVAC Flanged Rubber Bellows Untied

Specification

Commercial quality EPDM bellows intended primarily for HVAC water applications – LT heating, waste, sanitary, chilled.

Not suitable for drinking water, contaminated water or mineral oil products.

Materials

- Liner EPDM
- Reinforcement Nylon chord
- Cover EPDM
- Flanges Carbon steel, galvanised PN16

Rating

16 Barg @ 20°C to 6 Barg @ 95°C.
Vacuum rating 400 mmHg.



Size	Length	Axial Comp.	Axial Ext.	Lateral	Angular	Stock code
in.	mm	mm	mm	mm	degree	
DN032-1¼"	106	20	20	±30	± 7.5	R0032SF5AA16U
DN032-1¼"	130	30	20	±20	± 35	R0032SF15A16U
DN032-1¼"	150	12	9	±12	± 15	R0032SF10B16U
DN040-1½"	106	20	20	±30	± 7.5	R0040SF5AA16U
DN040-1½"	130	30	20	±20	± 35	R0040SF15A16U
DN040-1½"	150	12	9	±12	± 15	R0040SF10B16U
DN050-2"	106	20	20	±30	± 7.5	R0050SF5AA16U
DN050-2"	130	30	20	±20	± 35	R0050SF15A16U
DN050-2"	150	12	9	±12	± 15	R0050SF10B16U
DN065-2½"	106	20	20	±30	± 7.5	R0065SF5AA16U
DN065-2½"	130	30	20	±20	± 30	R0065SF15A16U
DN065-2½"	150	12	9	±12	± 15	R0065SF10B16U
DN080-3"	106	20	20	±30	± 7.5	R0080SF5AA16U
DN080-3"	130	30	20	±20	± 30	R0080SF15A16U
DN080-3"	150	12	9	±12	± 15	R0080SF10B16U
DN100-4"	106	20	20	±30	± 7.5	R0100SF5AA16U
DN100-4"	130	30	20	±20	± 25	R0100SF15A16U
DN100-4"	150	16	9	±12	± 15	R0100SF10B16U
DN125-5"	106	20	20	±30	± 7.5	R0125SF5AA16U
DN125-5"	130	30	20	±20	± 25	R0125SF15A16U
DN125-5"	150	16	9	±12	± 15	R0125SF10B16U
DN150-6"	106	20	20	±30	± 7.5	R0150SF5AA16U
DN150-6"	130	30	20	±20	± 15	R0150SF15A16U
DN150-6"	150	16	9	±12	± 15	R0150SF10B16U
DN200-8"	106	20	20	±30	± 5	R0200SF5AA16U
DN200-8"	130	30	20	±20	± 15	R0200SF15A16U
DN200-8"	150	16	9	±12	± 15	R0200SF10B16U
DN250-10"	106	20	20	±30	± 5	R0250SF5AA16U
DN250-10"	130	30	20	±20	± 10	R0250SF15A16U
DN250-10"	200	19	19	±19	± 15	R0250SF10E16U

Movements are non concurrent

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HVAC Flanged Rubber Bellows Tied

Specification

Commercial quality EPDM bellows intended primarily for HVAC water applications – LT heating, waste, sanitary, chilled.

Not suitable for drinking water, contaminated water or mineral oil products.

Materials

- Liner EPDM
- Reinforcement Nylon chord
- Cover EPDM
- Flanges Carbon steel, galvanised PN16

Rating

16 Barg @ 20°C to 6 Barg @ 95°C.
Vacuum rating 400 mmHg.



Size	Length	Axial Comp.	Axial Ext.	Lateral	Angular	Stock code
in.	mm	mm	mm	mm	degree	
DN032-1¼"	106	20	20	±30	± 7.5	R0032SF5AA16T
DN032-1½"	130	30	20	±20	± 35	R0032SF15A16T
DN032-1¾"	150	12	9	±12	± 15	R0032SF10B16T
DN040-1½"	106	20	20	±30	± 7.5	R0040SF5AA16T
DN040-1¾"	130	30	20	±20	± 35	R0040SF15A16T
DN040-2"	150	12	9	±12	± 15	R0040SF10B16T
DN050-2"	106	20	20	±30	± 7.5	R0050SF5AA16T
DN050-2½"	130	30	20	±20	± 35	R0050SF15A16T
DN050-3"	150	12	9	±12	± 15	R0050SF10B16T
DN065-2½"	106	20	20	±30	± 7.5	R0065SF5AA16T
DN065-3"	130	30	20	±20	± 30	R0065SF15A16T
DN065-3½"	150	12	9	±12	± 15	R0065SF10B16T
DN080-3"	106	20	20	±30	± 7.5	R0080SF5AA16T
DN080-3½"	130	30	20	±20	± 30	R0080SF15A16T
DN080-4"	150	12	9	±12	± 15	R0080SF10B16T
DN100-4"	106	20	20	±30	± 7.5	R0100SF5AA16T
DN100-4½"	130	30	20	±20	± 25	R0100SF15A16T
DN100-5"	150	16	9	±12	± 15	R0100SF10B16T
DN125-5"	106	20	20	±30	± 7.5	R0125SF5AA16T
DN125-5½"	130	30	20	±20	± 25	R0125SF15A16T
DN125-6"	150	16	9	±12	± 15	R0125SF10B16T
DN150-6"	106	20	20	±30	± 7.5	R0150SF5AA16T
DN150-6½"	130	30	20	±20	± 15	R0150SF15A16T
DN150-7"	150	16	9	±12	± 15	R0150SF10B16T
DN200-8"	106	20	20	±30	± 5	R0200SF5AA16T
DN200-8½"	130	30	20	±20	± 15	R0200SF15A16T
DN200-9"	150	16	9	±12	± 15	R0200SF10B16T
DN250-10"	106	20	20	±30	± 5	R0250SF5AA16T
DN250-10½"	130	30	20	±20	± 10	R0250SF15A16T
DN250-11"	200	19	19	±19	± 15	R0250SF10E16T

Movements are non concurrent

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HVAC Union Rubber Bellows

Specification

Commercial quality EPDM bellows intended primarily for HVAC water applications - LT heating, waste, sanitary, chilled.

Not suitable for drinking water, contaminated water or mineral oil products.

Materials

- Liner EPDM
- Reinforcement Nylon chord
- Cover EPDM
- Union Iron, BSP

Rating

10 Barg @ 20 °C to 6 Barg @ 95 °C.
Vacuum rating 400 mmHg.

Size	Length	Axial Comp.	Axial Ext.	Lateral	Angular	Stock code
in.	mm	mm	mm	mm	degree	
DN020-3/4"	200	22	6	22	45	R0020FTUEBSP
DN025-1"	200	22	6	22	45	R0025FTUEBSP
DN032-1 1/4"	200	22	6	22	45	R0032FTUEBSP
DN040-1 1/2"	200	22	6	22	45	R0040FTUEBSP
DN050-2"	200	22	6	22	45	R0050FTUEBSP
DN065-2 1/2"	240	22	6	22	45	R0065FTUJBSP
DN080-3"	240	22	6	22	45	R0080FTUJBSP

Movements are non concurrent



Product by FlexEJ Ltd

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Elaflex Red Band / ERV-R

Specification

For water, drinking water (approval DVGW W 270, ACS as well as WRAS), cold and warm waste water, seawater, cooling water, also with chemical additives for water treatment, low concentrated acids and alkalis, salt solutions, technical alcohols, esters and ketones.

Not suitable for mineral oil products, cooling water with added oil containing corrosion preventatives, oily compressor air.

Materials

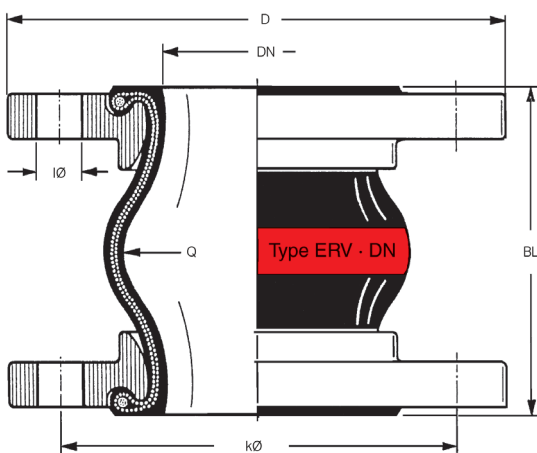
- Liner Butyl (IIR)/EPDM, seamless, low permeation
- Reinforcement PA textile cord, Butyl rubberized
- Cover EPDM, ozone proof, heat resistant
- Marking Red band, ERV DN ..., PN ..., production date
- Flanges♦ Swivelling, DIN PN 10/16, carbon steel, zinc plated

Operating conditions

Temperature range (depending on medium) -40°C up to +100°C, temporarily up to +120°C. Electrically dissipative.

Notes

- ♦ Table shows PN10/16 flanges – many other flange types are available
 - * For rubber expansion joints DN 25 bellows DN 32 are used
- Specifications subject to change without notice © ELAFLEX



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Bellows size DN	Length BL		PN	Weight approx.	Effect. area	Flange measurements mm *			Part number *
	in.	mm				mm	bar	kg	
1"	25	130	16	1.9	15	115	85	4 x 14	ERV-R 25.16 *
1 1/4"	32	130	16	3.4	15	140	100	4 x 18	ERV-R 32.16
1 1/4"	32	160	16	3.6	15	140	100	4 x 18	ERV-R 32x160.16
1 1/2"	40	130	16	4.0	20	150	110	4 x 18	ERV-R 40.16
1 1/2"	40	160	16	4.2	20	150	110	4 x 18	ERV-R 40x160.16
2"	50	130	16	4.6	30	165	125	4 x 18	ERV-R 50.16
2"	50	150	16	4.7	30	165	125	4 x 18	ERV-R 50x150.16
2"	50	160	16	4.8	30	165	125	4 x 18	ERV-R 50x160.16
2 1/2"	65	130	16	5.3	50	185	145	4 x 18	ERV-R 65.16
2 1/2"	65	150	16	5.4	50	185	145	4 x 18	ERV-R 65x150.16
2 1/2"	65	160	16	5.5	50	185	145	4 x 18	ERV-R 65x160.16
3"	80	130	16	6.9	85	200	160	8 x 18	ERV-R 80.16
3"	80	150	16	7.0	85	200	160	8 x 18	ERV-R 80x150.16
3"	80	160	16	7.1	85	200	160	8 x 18	ERV-R 80x160.16
4"	100	130	16	8.0	125	220	180	8 x 18	ERV-R 100.16
4"	100	150	16	8.1	125	220	180	8 x 18	ERV-R 100x150.16
4"	100	160	16	8.2	125	220	180	8 x 18	ERV-R 100x160.16
5"	125	130	16	9.9	185	250	210	8 x 18	ERV-R 125.16
5"	125	150	16	10.1	185	250	210	8 x 18	ERV-R 125x150.16
5"	125	160	16	10.2	185	250	210	8 x 18	ERV-R 125x160.16
6"	150	130	16	12.3	250	285	240	8 x 22	ERV-R 150.16
6"	150	150	16	12.4	250	285	240	8 x 22	ERV-R 150x150.16
6"	150	160	16	12.5	250	285	240	8 x 22	ERV-R 150x160.16
8"	200	130	16	16.5	400	340	295	8 x 22	ERV-R 200.10
8"	200	150	16	16.6	400	340	295	8 x 22	ERV-R 200x150.10
8"	200	160	16	16.7	400	340	295	8 x 22	ERV-R 200x160.10
8"	200	175	16	16.8	400	340	295	8 x 22	ERV-R 200x175.10
10"	250	130	16	21.6	600	395	350	12 x 22	ERV-R 250.10
10"	250	175	16	21.9	600	395	350	12 x 22	ERV-R 250x175.10
10"	250	200	10	22.1	600	395	350	12 x 22	ERV-R 250x200.10
12"	300	130	16	29.3	800	445	400	12 x 22	ERV-R 300.10
12"	300	200	10	29.8	800	445	400	12 x 22	ERV-R 300x200.10
14"	350	200	16	43.0	1000	505	460	16 x 22	ERV-R 350.10
16"	400	200	16	46.0	1375	565	515	16 x 26	ERV-R 400.10
18"	450	200	10	50.0	1780	615	565	20 x 26	ERV-R 450.10
18"	450	250	10	53.0	1780	615	565	20 x 26	ERV-R 450x250.10
20"	500	200	10	57.0	2185	670	620	20 x 26	ERV-R 500.10
24"	600	200	10	70.0	3080	780	725	20 x 30	ERV-R 600.10
28"	700	260	10	117.0	4800	895	840	24 x 30	ERV-R 700.10
32"	800	250	10	129.5	5440	1015	950	24 x 33	ERV-R 800.10
36"	900	300	10	184.0	7100	1115	1050	28 x 33	ERV-R 900.10
40"	1000	300	10	245.0	8700	1230	1160	28 x 36	ERV-R 1000.10

Elaflex Red Band / ERV-R

Range of movement

Red Band ERV-R							
Length	Bellow size	Installation length		Axial *		Lateral *	Angular *
BL	DN	EL min.	EL max.	L min.	L max.	l	degree
mm	mm	mm	mm	mm	mm	mm	degree
130	25-80	120	135	100	150	±30	±30
130	100-150	120	135	100	150	±30	±20
130	200	115	140	105	160	±30	±10
130	250-300	125	140	120	160	±15	± 5
150	50-200	140	160	115	180	±30	±15
160	32-200	150	170	130	195	±35	±15
175	200	165	185	160	210	±15	± 5
175	250	165	185	160	210	±10	± 5
200	250-300	190	210	160	235	±30	±10
200	350-600	190	210	160	235	±30	± 8
250	450	240	260	210	285	±35	±10
250	800	240	260	210	285	±35	± 5
260	700	250	270	220	290	±30	± 5
300	900-1000	290	310	260	340	±40	± 5

* Allowable static range of movement in service with usage of collar flanges up to 50°C
Please note: Data not valid for *combined* movements

Permissible vacuum [mbar]

DN	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
Without VSD/VSR	max.	max.	max.	-700	-600	-400	-300	-300	-300	-200	-100									
With VSD			max.	max.	max.	max.	max.	max.	-600	-400	-200									
With VSR							max.	max.	max.	max.	max.	max.	max.	-700	-700	-700				
With VSRV														max.	max.	max.	max.	-700	-700	-700

Data measured at room temperature with new expansion joints of standard length and non swelling media. For swelling media use a safety factor. A compressed installation improves the table listed vacuum resistance. The maximum permissible elongation (L max.) reduces the vacuum resistance by 50%.

In this case we recommend using vacuum support spirals or vacuum support rings (see page 41 of the Elaflex section).
For dependencies of overpressure, range of movement and temperature please see table on page 8 of the Elaflex section.

Approvals

These certificates can be obtained from sales@flexej.co.uk
There is an overview of all certificates on page 47 of the Elaflex section



Elaflex Rotex

Specification

For permanent use with hot heating water, cooling water and hot air. Approved according to DIN up to 100°C at 10 bar and up to 110°C at 6 bar.

Not suitable for drinking water, cooling water with oil containing additives, oily compressor air, permanent effect of steam.

Materials

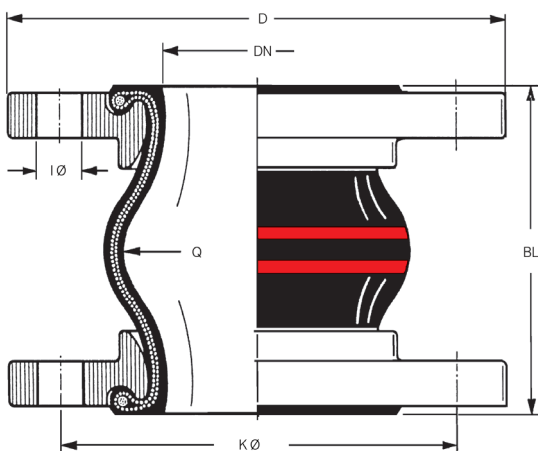
- Liner EPDM, hot water resistant, seamless, high abrasion resistance
- Reinforcement Polymer textile cord, hot water and hydrolysis proof
- Cover EPDM, ozone proof, heat resistant
- Marking 2 red bands, ERV DN ..., PN ..., production date
- Flanges* Swivelling, DIN PN 10/16, carbon steel, zinc plated

Operating conditions

Temperature range (depending on medium) -40°C up to +130°C, temporarily up to +150°C. Electrically dissipative.

Notes

- ♦ Table shows PN10/16 flanges - many other flange types are available
 - * For rubber expansion joints DN 25 bellows DN 32 are used
- Specifications subject to change without notice © ELAFLEX



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Bellows size DN	Length BL		PN	Weight approx. kg	Effect. area Q:cm ²	Flange measurements mm *			Part number *
	in.	mm				mm	bar	D	
1"	25	130	16	1.9	15	115	85	4 x 14	ROTEX 25.16 *
1 1/4"	32	130	16	3.4	15	140	100	4 x 18	ROTEX 32.16
1 1/4"	32	160	16	3.6	15	140	100	4 x 18	ROTEX 32x160.16
1 1/2"	40	130	16	4.0	20	150	110	4 x 18	ROTEX 40.16
1 1/2"	40	160	16	4.2	20	150	110	4 x 18	ROTEX 40x160.16
2"	50	130	16	4.6	30	165	125	4 x 18	ROTEX 50.16
2"	50	160	16	4.8	30	165	125	4 x 18	ROTEX 50x160.16
2 1/2"	65	130	16	5.3	50	185	145	4 x 18	ROTEX 65.16
2 1/2"	65	160	16	5.5	50	185	145	4 x 18	ROTEX 65x160.16
3"	80	130	16	6.9	85	200	160	8 x 18	ROTEX 80.16
3"	80	150	16	7.0	85	200	160	8 x 18	ROTEX 80x150.16
3"	80	160	16	7.1	85	200	160	8 x 18	ROTEX 80x160.16
4"	100	130	16	8.0	125	220	180	8 x 18	ROTEX 100.16
4"	100	150	16	8.1	125	220	180	8 x 18	ROTEX 100x150.16
4"	100	160	16	8.2	125	220	180	8 x 18	ROTEX 100x160.16
5"	125	130	16	9.8	185	250	210	8 x 18	ROTEX 125.16
5"	125	150	16	9.9	185	250	210	8 x 18	ROTEX 125x150.16
5"	125	160	16	10.0	185	250	210	8 x 18	ROTEX 125x160.16
6"	150	130	16	12.3	250	285	240	8 x 22	ROTEX 150.16
6"	150	150	16	12.4	250	285	240	8 x 22	ROTEX 150x150.16
6"	150	160	16	12.5	250	285	240	8 x 22	ROTEX 150x160.16
8"	200	130	16	16.5	400	340	295	8 x 22	ROTEX 200.10
8"	200	150	16	16.6	400	340	295	8 x 22	ROTEX 200x150.10
8"	200	160	16	16.7	400	340	295	8 x 22	ROTEX 200x160.10
8"	200	175	16	16.8	400	340	295	8 x 22	ROTEX 200x175.10
10"	250	130	16	21.6	600	395	350	12 x 22	ROTEX 250.10
10"	250	175	16	21.9	600	395	350	12 x 22	ROTEX 250x175.10
10"	250	200	10	22.1	600	395	350	12 x 22	ROTEX 250x200.10
12"	300	130	16	29.3	800	445	400	12 x 22	ROTEX 300.10
12"	300	200	10	29.7	800	445	400	12 x 22	ROTEX 300x200.10
14"	350	200	16	43.0	1000	505	460	16 x 22	ROTEX 350.10
16"	400	200	16	46.0	1375	565	515	16 x 26	ROTEX 400.10
18"	450	200	10	50.0	1780	615	565	20 x 26	ROTEX 450.10
18"	450	250	10	53.0	1780	615	565	20 x 26	ROTEX 450x250.10
20"	500	200	10	57.0	2185	670	620	20 x 26	ROTEX 500.10
24"	600	200	10	70.0	3080	780	725	20 x 30	ROTEX 600.10
28"	700	260	10	117.0	4800	895	840	24 x 30	ROTEX 700.10
32"	800	250	10	129.5	5440	1015	950	24 x 33	ROTEX 800.10
36"	900	300	10	184.0	7100	1115	1050	28 x 33	ROTEX 900.10
40"	1000	300	10	245.0	8700	1230	1160	28 x 36	ROTEX 1000.10

Elaflex Rotex

Range of movement

Rotex									
Length	Bellow size	Installation length		Axial *		Lateral *	Angular *		
BL	DN	EL min.	EL max.	L min.	L max.	l	°		
mm	mm	mm	mm	mm	mm	mm	degree		
130	25-80	120	135	100	150	±30	±30		
130	100-150	120	135	100	150	±30	±20		
130	200	115	140	105	160	±25	±10		
130	250-300	125	140	115	160	±25	± 5		
150	80-200	140	160	120	170	±30	±15		
160	32-200	150	170	130	185	±25	±15		
175	200-250	165	185	145	205	±30	±10		
200	250-300	190	210	170	225	±25	±10		
200	350-600	190	210	160	225	±25	± 8		
250	450	240	260	210	280	±25	±10		
250	800	240	260	210	280	±25	± 5		
260	700	250	270	220	290	±25	± 5		
300	900-1000	290	310	260	335	±30	± 5		

* Allowable static range of movement in service with usage of collar flanges up to 70°C
Please note: Data not valid for combined movements

Permissible vacuum [mbar]

DN	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
Without VSD/VSR	max.	max.	max.	-700	-600	-400	-300	-300	-300	-200	-100									
With VSD			max.	max.	max.	max.	max.	max.	-600	-400	-200									
With VSR								max.	max.	max.	max.	max.	max.	-700	-700	-700				
With VSRV														max.	max.	max.	max.	-700	-700	-700

Data measured at room temperature with new expansion joints of standard length and non swelling media. For swelling media use a safety factor. A compressed installation improves the table listed vacuum resistance. The maximum permissible elongation (L max.) reduces the vacuum resistance by 50%.

In this case we recommend using vacuum support spirals or vacuum support rings (see page 41 of the Elaflex section).
For dependencies of overpressure, range of movement and temperature please see table on page 8 of the Elaflex section.

Approvals

These certificates can be obtained from sales@flexej.co.uk
There is an overview of all certificates on page 47 of the Elaflex section



Elaflex Red Spot / ERP

Specification

For sanitary installations, highly flexible for cold and warm water, pool water, sea water and drinking water (WRAS approved).

Not suitable for all kinds of mineral oil products, cooling water with added oil containing corrosion preventatives, oily compressor air, for permanent working pressure > 10 bar.

Materials

- Liner Butyl (IIR)/EPDM, seamless
- Reinforcement PA textile cord
- Cover EPDM
- Marking Red spot, ERV DN .., PN 10, production date
- Flanges* Swivelling, DIN PN 10 carbon steel, zinc plated

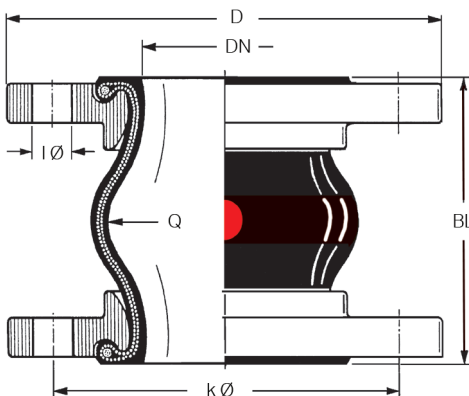
Operating conditions

Temperature range (depending on medium)
-40°C up to +90°C, temporarily up to +120°C.
Electrically dissipative.

Notes

- * Table shows PN10/16 flanges – many other flange types are available
 - * For rubber expansion joints DN 25 bellows DN 32 are used
- Specifications subject to change without notice © ELAFLEX

Bellow size DN	Length BL		PN	Weight approx.	Effect. area	Flange measurements mm *			Part number *
	in.	mm				D	k Ø	l x Ø	
1"	25	130	10	1.8	15	115	85	4 x 14	ERP 25.10 *
1¼"	32	130	10	3.3	15	140	100	4 x 18	ERP 32.10
1½"	40	130	10	3.9	20	150	110	4 x 18	ERP 40.10
2"	50	130	10	4.5	30	165	125	4 x 18	ERP 50.10
2½"	65	130	10	5.2	50	185	145	4 x 18	ERP 65.10
3"	80	130	10	6.8	85	200	160	8 x 18	ERP 80.10
4"	100	130	10	7.9	125	220	180	8 x 18	ERP 100.10
5"	125	130	10	9.8	185	250	210	8 x 18	ERP 125.10
6"	150	130	10	12.2	250	285	240	8 x 22	ERP 150.10



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Elaflex Red Spot / ERP

Range of movement

Red Spot ERP		Installation length		Axial *		Lateral *	Angular *
Length	Bellow size	EL min.	EL max.	L min.	L max.	l	degree
BL	DN						
mm	mm	mm	mm	mm	mm	mm	degree
130	25-80	120	135	100	150	± 30	± 30
	100-150	120	135	100	150	± 30	± 20

* Allowable static range of movement in service with usage of collar flanges up to 50°C
Please note: Data not valid for *combined* movements

Permissible vacuum [mbar]

DN	32	40	50	65	80	100	125	150	200	250	300	350	400	500	600	700	800	900	1000
Without VSD/VSR	-300	-300	-300	-300	-200	-200	-200	-100											
With VSD			-500	-500	-400	-400	-400	-300											
With VSR							-500	-400											

Data measured at room temperature with new expansion joints of standard length and non swelling media. For swelling media use a safety factor. A compressed installation improves the table listed vacuum resistance. The maximum permissible elongation (L max.) reduces the vacuum resistance by 50%.

In this case we recommend using vacuum support spirals or vacuum support rings (see page 41 of the Elaflex section). For dependencies of overpressure, range of movement and temperature please see table on page 8 of the Elaflex section.

Approvals

These certificates can be obtained from sales@flexej.co.uk
There is an overview of all certificates on page 47 of the Elaflex section



HVAC Metal Bellows Copper End Axial Expansion Joints

Specification

Copper ended with 316 stainless steel bellows intended primarily for HVAC water applications – LTHW, heating and drinking water. WRAS approved.

Materials

- Ends Copper BS EN1057 Table 'X'
- Bellows 316 stainless steel

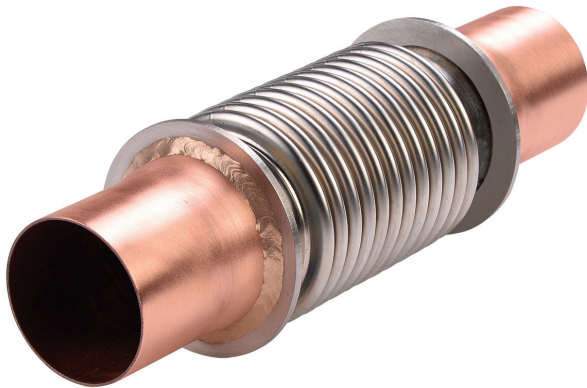
Rating

6 Barg @ 90 °C

Approvals



Size	Length	Axial Comp.	Axial Ext.	Copper pipe size	Stock code
in.	mm	mm	mm	mm	
DN012-1/2"	220	25	0	15	MRCA12X220X6X25
DN020-3/4"	230	25	0	22	MRCA20X230X6X25
DN025-1"	235	25	0	28	MRCA25X235X6X25
DN032-1 1/4"	245	25	0	35	MRCA32X245X6X25
DN040-1 1/2"	250	25	0	42	MRCA40X250X6X25
DN050-2"	250	25	0	54	MRCA50X250X6X25



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HVAC Metal Bellows Union End Axial Expansion Joints

Specification

Union ended with 316 stainless steel bellows intended primarily for HVAC water applications – HTHW, heating.

Not suitable for drinking water.

Materials

- Ends Iron swivel unions BSP
- Bellows 316 stainless steel

Rating

6 Barg @ 150 °C

Size in.	Length mm	Axial Comp. mm	Axial Ext. mm	Stock code
DN012-½"	181	25	0	MRUA12X181X6X25
DN020-¾"	187	25	0	MRUA20X187X6X25
DN025-1"	191	25	0	MRUA25X191X6X25
DN032-1¼"	207	25	0	MRUA32X207X6X25
DN040-1½"	215	25	0	MRUA40X215X6X25
DN050-2"	229	25	0	MRUA50X229X6X25



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HVAC Metal Bellows Flanged Axial & Pump Expansion Joints

Specification

Stainless steel 321 bellows designed for 1000 EJMA cycles with carbon steel PN16 flanges. Intended primarily for HVAC water applications – HTHW, LTHW, heating, steam.

Not suitable for drinking water.

For axial pipe movement or lateral movement – pump applications. Available with tied or untied flanges. Internal flow liner optional.

Materials

- Bellows 321 stainless steel
- Liner* Stainless steel
- Flanges PN16, carbon steel

Rating

10 Barg @ 110°C

Please contact sales if you require a higher temperature or pressure. Longer lengths available to order.

* Optional



Size	Length	Axial	Stock code
in.	mm	mm	Untied - Axial
DN050-2"	130	±10	HVFA0050PN16U
DN065-2½"	130	±13	HVFA0065PN16U
DN080-3"	130	±14	HVFA0080PN16U
DN100-4"	150	±15	HVFA0100PN16U
DN150-6"	150	±19	HVFA0150PN16U

Size	Length	Lateral	Stock code
in.	mm	mm	Untied - Pump
DN050-2"	130	±3	HVFP0050PN16U
DN065-2½"	130	±3	HVFP0065PN16U
DN080-3"	130	±3	HVFP0080PN16U
DN100-4"	150	±3	HVFP0100PN16U
DN150-6"	150	±3	HVFP0150PN16U

Size	Length	Lateral	Stock code
in.	mm	mm	Tied - Pump
DN050-2"	130	±3	HVFP0050PN16T
DN065-2½"	130	±3	HVFP0065PN16T
DN080-3"	130	±3	HVFP0080PN16T
DN100-4"	150	±3	HVFP0100PN16T
DN150-6"	150	±3	HVFP0150PN16T



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Product comparison table

	HVAC Flanged	Red Spot	Red Band	Rotex	HVAC Union	Union End	Copper End	Axial	Pump
									
DN: from	32	25	25	25	20	12	12	50	50
to	250	150	1000	1000	80	50	50	150	150
EPDM Bellows	✓	✓	✓	✓	✓				
Stainless Steel Bellows						✓	✓	✓	✓
Flanged/Standard	PN16	Any	Any	Any				PN16	PN16
Union BSP Female					✓	✓			
Copper Pipe End							✓		
WRAS Approved for Potable Water		✓	✓				✓		
Heating Water			✓	✓		✓	✓	✓	✓
DIN 4809 Approved				✓					
Movements: Axial Compression	✓	✓	✓	✓	✓	✓	✓	✓	
Axial Extension	✓	✓	✓	✓	✓			✓	
Lateral	✓	✓	✓	✓	✓				✓
Angular	✓	✓	✓	✓	✓				
Rating Barg / °C: from	16 / 20	10 / 50	16 / 50	16 / 70	16 / 20	6 / 20	6 / 20	10 / 20	10 / 20
to	6 / 95	6 / 100	10 / 100	8 / 130	16 / 180	6 / 150	6 / 90	10 / 110	10 / 110
See full product information on page	04-05	11	07	09	06	14	13	15	15

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PE(S)R – PED

Following Brexit the Pressure Equipment Directive – PED (with CE marking) became the Pressure Equipment (Safety) Regulations – PE(S)R (with UKCA marking).

Currently the requirements of PE(S)R are essentially the same as the PED.

It is FlexEJ's responsibility to apply the PE(S)R to any pressure equipment we supply. Applications fall into three broad areas:

- **Exempt:** Outside the scope of the PE(S)R – some specific applications, like for like repairs and any application with ≤ 0.5 barg internal pressure. Not UKCA (or CE) marked.
- **Sound Engineering Practice (SEP):** Applications falling within the scope of the PE(S)R but not categorised. Not UKCA (or CE) marked.
- **Category I-IV:** Specific requirements per category. UKCA marked.

The PE(S)R assessment of each application and item of pressure equipment is based on the application working fluid, design pressure and the equipment volume or diameter as appropriate. Application design temperature is also an important factor in determining the vapour pressure of liquids.

The application media are grouped as follows:

Fluid Group 1

'Dangerous substances': explosive; extremely flammable; highly flammable; flammable (where the maximum allowable temperature is above flashpoint); very toxic; toxic; oxidising.

Fluid Group 2

All other fluids including steam.

State

Gas or liquid: if a fluid has a vapour pressure at the maximum allowable temperature of the equipment of greater than 0.5 barg it is treated as a gas. (Note that water $>110^{\circ}\text{C}$ has a vapour pressure >0.5 barg.)

PE(S)R assessment of products in this catalogue

See table opposite. Any Group 1 and/or gas applications must be made known to FlexEJ.

Enquiries

When you contact sales we will ask you for the minimum details required to allow the PE(S)R assessment to be made. We will then quote accordingly.

FlexEJ has dual certification – we can design and manufacture pressure equipment to both PE(S)R with UKCA mark and/or PED with CE mark.

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Group 2 Liquid Media Assessment					
Range	Page	P barg	T C	DN	Category
FlexEJ Rubber Bellows	4-6	16	20	≤ 250	SEP
Elaflex Red Band Rubber Bellows	7	16	50	≤ 300	SEP
		10	50	350, 400	Cat I
Elaflex Rotex Rubber Bellows	9	16	50	≤ 300	SEP
		16	50	350, 400	Cat I
		10	50	> 400	SEP
Elaflex Red Spot Rubber Bellows	11	10	50	≤ 150	SEP
FlexEJ Copper Metal Bellows	13	6	90	≤ 50	SEP
FlexEJ Union End Metal Bellows	14	6	110	≤ 50	SEP
FlexEJ Flanged Metal Bellows	15	10	110	≤ 150	SEP
FlexEJ Air / Dirt / Air+Dirt Separators	19-21	10	110	≤ 150	SEP
FlexEJ HP Low Loss Headers	22	10	110	≤ 150	SEP
FlexEJ LP Low Loss Headers	24-26	6	110	≤ 65	SEP
Group 2 Gas Media Assessment (based on water)					
Range	Page	P barg	T C	DN	Category
FlexEJ Union End Metal Bellows	14	6	150	≤ 50	SEP
Elaflex Rotex Rubber Bellows	9	8	130	≤ 125	SEP
		8	130	150-400	Cat I
		5	130	450-700	Cat I
		5	130	≥ 750	Cat II

Bolt Packs

Specification

Carbon Steel BZP bolts to ISO898 Gr8.8

Pack contains the quantity for two pairs of flanges – so one pack is required to install one expansion joint.

Flange	Pipe size	Bolt	Pack quantity 2 flange pairs	Stock code
PN6	DN25-1"	M10x50	8	IBLX403
PN6	DN32-1¼"	M12x50	8	HHLX746
PN6	DN40-1½"	M12x50	8	HHLX746
PN6	DN50-2"	M12x60	8	HHLX749
PN6	DN65-2½"	M12x60	8	HHLX749
PN6	DN80-3"	M16x60	8	HHLX740
PN6	DN100-4"	M16x60	8	HHLX740
PN6	DN125-5"	M16x70	16	HHLX743
PN6	DN150-6"	M16x70	16	HHLX743
PN6	DN200-8"	M16x70	16	HHLX743
PN10	DN32-1¼"	M16x60	8	HHLX740
PN10	DN40-1½"	M16x60	8	HHLX740
PN10	DN50-2"	M16x60	8	HHLX740
PN10	DN65-2½"	M16x60	8	HHLX740
PN10	DN80-3"	M16x70	16	HHLX743
PN10	DN100-4"	M16x70	16	HHLX743
PN10	DN125-5"	M16x70	16	HHLX743
PN10	DN150-6"	M20x70	16	HHLX744
PN10	DN200-8"	M20x70	16	HHLX744
PN10	DN250-10"	M20x80	24	HHLX745
PN10	DN300-12"	M20x80	24	HHLX745
PN16	DN32-1¼"	M16x60	8	HHLX740
PN16	DN40-1½"	M16x60	8	HHLX740
PN16	DN50-2"	M16x60	8	HHLX740
PN16	DN65-2½"	M16x60	8	HHLX740
PN16	DN80-3"	M16x70	16	HHLX743
PN16	DN100-4"	M16x70	16	HHLX743
PN16	DN125-5"	M16x70	16	HHLX743
PN16	DN150-6"	M20x70	16	HHLX744

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Gasket Packs

Specification

Non Asbestos Composite to BS7531

Pack contains the quantity for two pairs of flanges – so one pack is required to install one expansion joint.

Gaskets are not required for installing rubber expansion joints, the rubber face acts as the gasket when mated with a suitable pipe flange.

Flange	Pipe size	Pack quantity 2 flange pairs	Stock code
PN6	DN65-2½"	2	FRG006506BS
PN10	DN32-1¼"	2	FRG003216BS
PN10	DN40-1½"	2	FRG004016BS
PN10	DN50-2"	2	FRG005016BS
PN10	DN65-2½"	2	FRG006516BS
PN10	DN80-3"	2	FRG008016BS
PN10	DN100-4"	2	FRG010016BS
PN10	DN125-5"	2	FRG012516BS
PN10	DN150-6"	2	FRG015016BS
PN16	DN32-1¼"	2	FRG003216BS
PN16	DN40-1½"	2	FRG004016BS
PN16	DN50-2"	2	FRG005016BS
PN16	DN65-2½"	2	FRG006516BS
PN16	DN80-3"	2	FRG008016BS
PN16	DN100-4"	2	FRG010016BS
PN16	DN125-5"	2	FRG012516BS
PN16	DN150-6"	2	FRG015016BS
PN16	DN200-8"	2	FRG020016BS
PN16	DN250-10"	2	FRG025016BS
PN16	DN300-12"	2	FRG030016BS

Air Separators

Specification

Carbon steel body, flanged PN16, with stainless steel air bubble coalescing brush, Flamco Flexvent AAV and drain plug. For removal of air in closed HVAC heating water and cooling water systems.

Not suitable for drinking water.

Materials

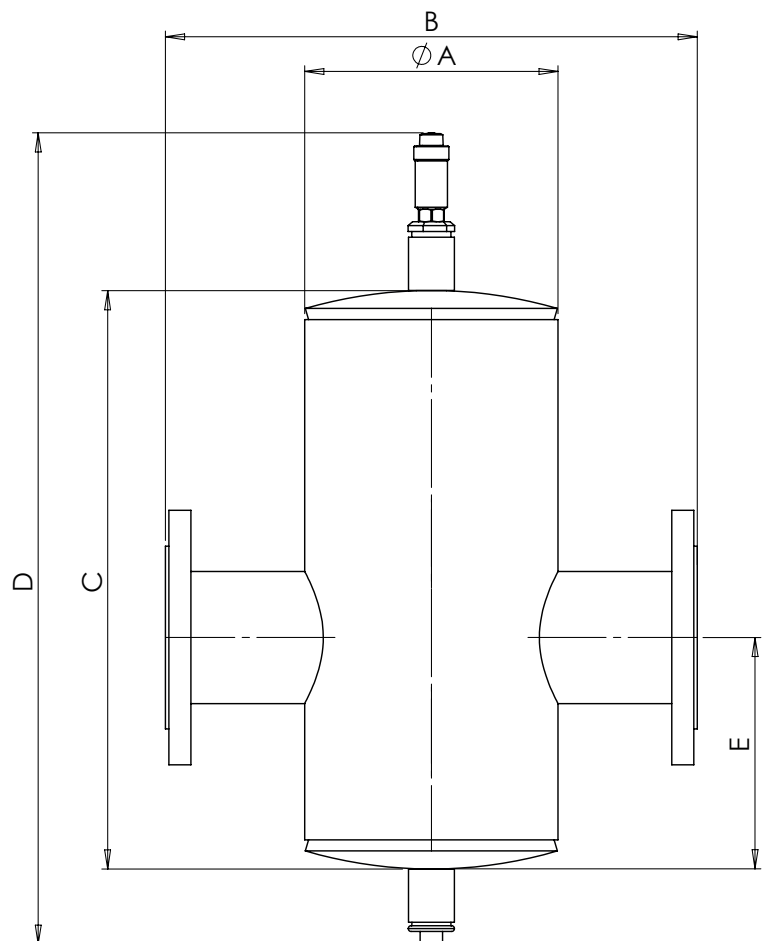
- Body Carbon steel
- Internals Stainless steel
- Flanges PN16, carbon steel

Rating

10 Barg @ 110°C

Size	Length	Body size	Height	Stock code
in.	mm		mm	
DN050-2"	350	DN150	555	FEJA050
DN065-2½"	350	DN150	555	FEJA065
DN080-3"	460	DN200	705	FEJA080
DN100-4"	460	DN200	705	FEJA100
DN125-5"	630	DN250	975	FEJA125
DN150-6"	630	DN300	975	FEJA150

DN	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'
50	165	350	350	555	125
65	165	350	350	555	125
80	219	460	500	705	200
100	219	460	500	705	200
125	273	630	770	975	335
150	324	630	770	975	335



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Dirt Separators

Specification

Carbon steel body, flanged PN16, with stainless steel brush, vent plug and DN25 drain valve. For removal of dirt in closed HVAC heating water and cooling water systems.

Not suitable for drinking water.

Materials

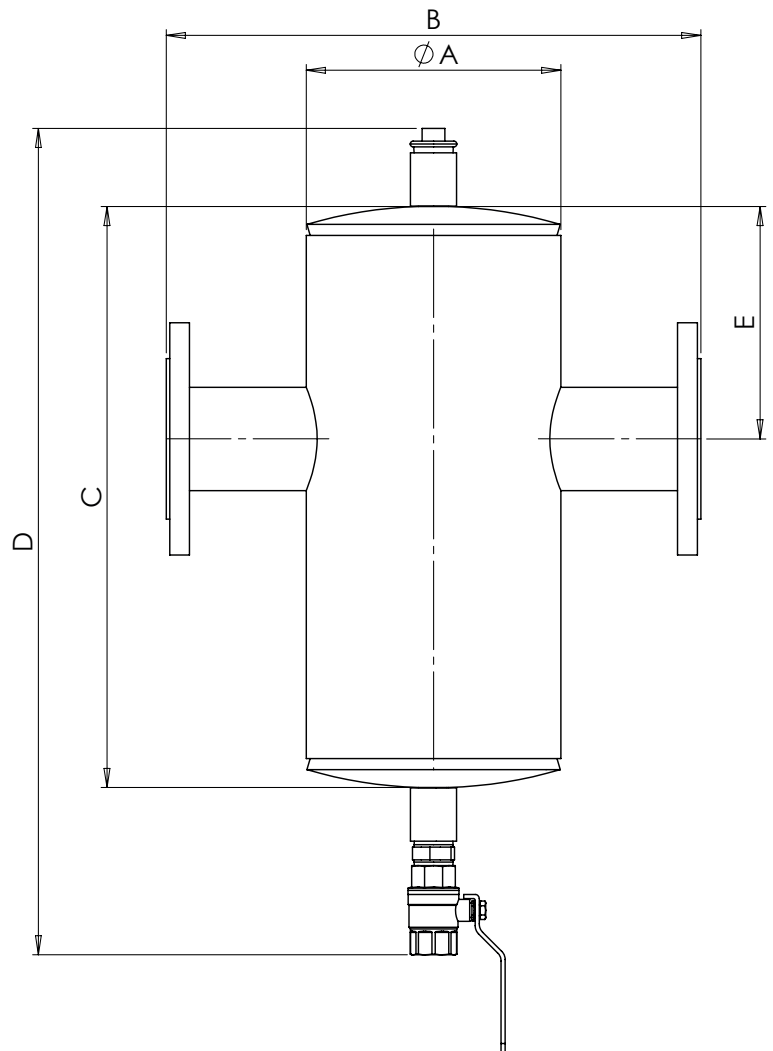
- Body Carbon steel
- Internals Stainless steel
- Flanges PN16, carbon steel

Rating

10 Barg @ 110°C

Size	Length	Body size	Height	Stock code
in.	mm		mm	
DN050-2"	350	DN150	560	FEJD050
DN065-2½"	350	DN150	560	FEJD065
DN080-3"	460	DN200	710	FEJD080
DN100-4"	460	DN200	710	FEJD100
DN125-5"	630	DN250	980	FEJD125
DN150-6"	630	DN300	980	FEJD150

DN	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'
50	165	350	350	560	125
65	165	350	350	560	125
80	219	460	500	710	200
100	219	460	500	710	200
125	273	630	770	980	335
150	324	630	770	980	335



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Air & Dirt Separators

Specification

Carbon steel body, flanged PN16 (except DN32 & DN40), with stainless steel air bubble coalescing brush, Flamco Flexvent AAV and DN25 drain valve. For removal of air & dirt in closed HVAC heating water and cooling water systems.

Not suitable for drinking water.

Materials

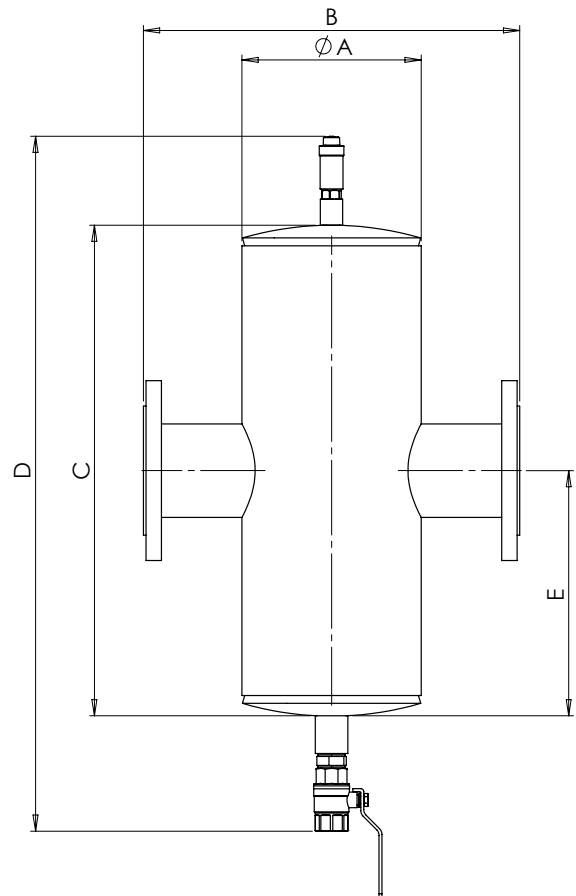
- Body Carbon steel
- Internals Stainless steel
- Connection DN32-DN40 threaded BSPT male carbon steel
DN50-DN150 flanged PN16 carbon steel

Rating

10 Barg @ 110°C

Size	Length	Body size	Height	Stock code
in.	mm		mm	
DN32-1¼"	300	DN100	665	FEJAXD032
DN40-1½"	300	DN100	665	FEJAXD040
DN50-2"	350	DN150	705	FEJAXD050
DN65-2½"	350	DN150	705	FEJAXD065
DN80-3"	460	DN200	855	FEJAXD080
DN100-4"	460	DN200	855	FEJAXD100
DN125-5"	630	DN250	1125	FEJAXD125
DN150-6"	630	DN300	1125	FEJAXD150

DN	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'
32	114	300	416	665	208
40	114	300	416	665	208
50	165	350	450	705	225
65	165	350	450	705	225
80	219	460	600	855	300
100	219	460	600	855	300
125	273	630	870	1125	435
150	324	630	870	1125	435



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Low Loss Headers – High Power

Specification

Carbon steel body, flanged PN16 with Flamco Flexvent AAV and DN25 drain valve. A low loss header decouples the boiler from the system. This allows the boilers/boiler circuit flow to optimise at best efficiency for any system conditions. For closed HVAC heating systems.

Not suitable for drinking water.

Materials

- Body Carbon steel
- Internals –
- Flanges PN16, carbon steel

Rating

10 Barg @ 110°C

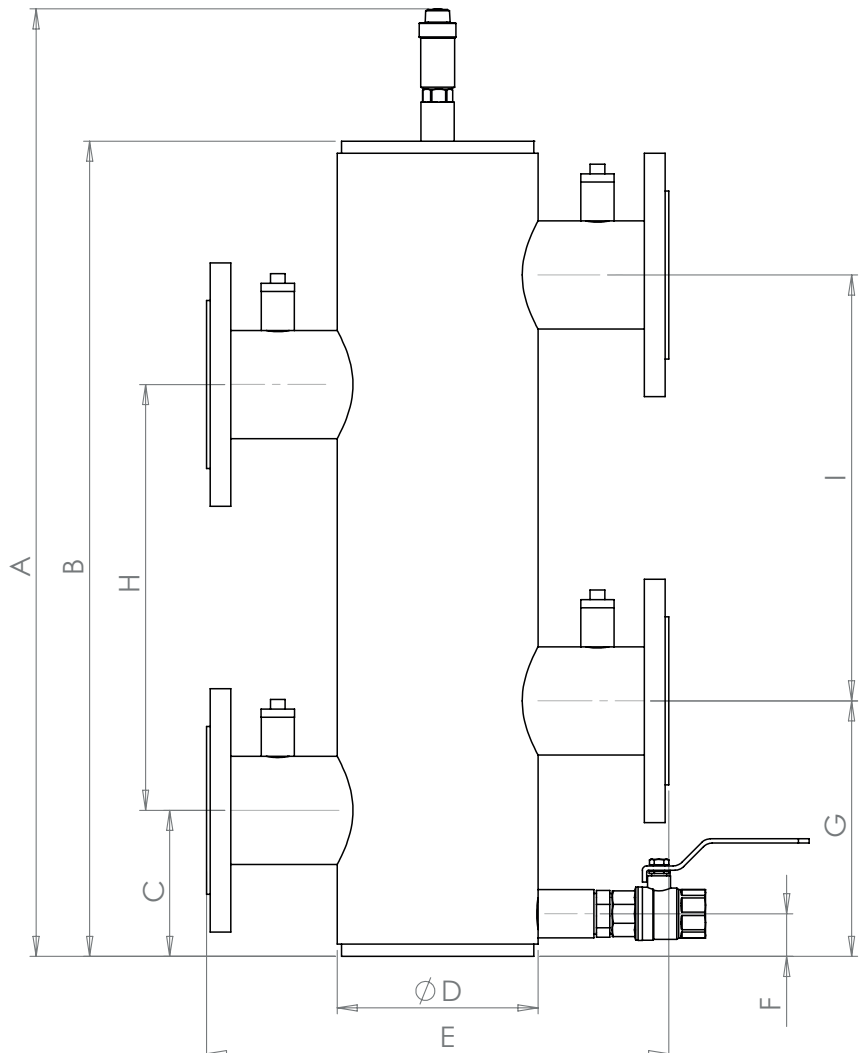
The table shows performance for the FlexEJ Low Loss Headers with a 20°C temperature difference at a flow rate typical for the connection size.

Options

- Insulation jacket (see page 23).

Size	Body size	Flow	Power	Product code
DN	DN mm	m ³ /h	kW	
DN050-2"	100	8.6	200	FEJLLH050
DN065-2½"	125	13.3	310	FEJLLH065
DN080-3"	150	18.9	440	FEJLLH080
DN100-4"	200	34.0	790	FEJLLH100
DN125-5"	250	52.9	1,230	FEJLLH125
DN150-6"	250	63.6	1,480	FEJLLH150

DN	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'	DIM 'H'	DIM 'I'
50	690	582	96	114	320	31	191	300	300
65	710	602	106	140	355	31	201	300	300
80	780	670	120	165	380	35	210	350	350
100	920	810	130	219	380	35	235	450	450
125	1025	915	143	273	430	38	278	500	500
150	1150	1035	163	273	430	38	323	550	550



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Low Loss Headers – High Power Insulation

Specification

Very flexible filled glass cloth insulation jacket with Velcro hook and loop flaps plus draw cords.

May be fitted to the Low Loss Header when all piping is complete and is easily removed/reinstalled for maintenance.

Materials

- Silicone coated 530 g/m² e-glass cloth inner and outer, black
- Mineral rock fibre blanket filler 0.040 W/mK

Rating

110°C

Fire Classification: A1 to EN 13501-1

LLH Stock code	Insulation Stock code
FEJLLH050	FEJLLH050INS
FEJLLH065	FEJLLH065INS
FEJLLH080	FEJLLH080INS
FEJLLH100	FEJLLH100INS
FEJLLH125	FEJLLH125INS
FEJLLH150	FEJLLH150INS

Reduces heat loss by 90% in typical conditions



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Low Loss Headers – Low Power DN20–DN25

Specification

Carbon steel body, BSPP female threaded system connections. Plugged air vent and drain connections.

A low loss header decouples the boiler from the system. This allows the boilers/boiler circuit flow to optimise at best efficiency for any system conditions. For closed HVAC heating systems.

Not suitable for drinking water.

Materials

- Body Carbon steel
- Internals –
- Connection BSPP female, carbon steel

Rating

6 Barg @ 110°C

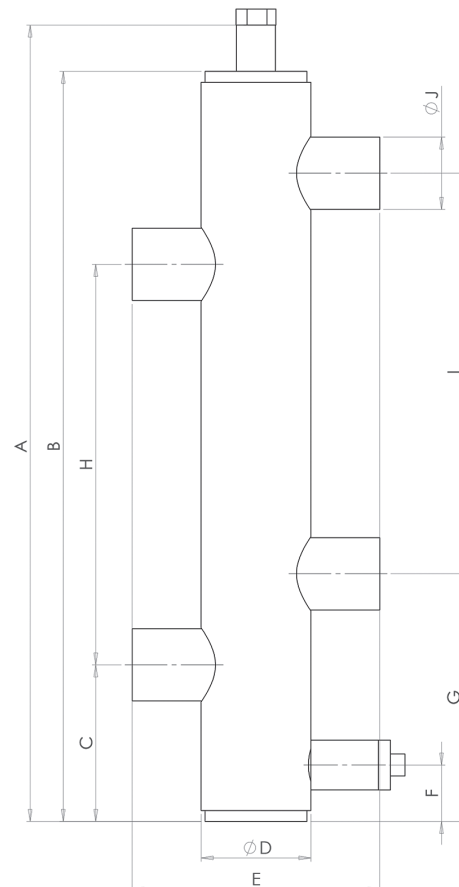
The table shows performance for the FlexEJ Low Loss Headers with a 20°C temperature difference at a flow rate typical for the connection size.

Options

- Valves set including Flamco AAV and drain valve
- Insulation jacket (see page 27)
- Horizontal header – connection manifold (see page 28)

Size	Body size	Flow	Power	Product code
	DN mm	m ³ /h	kW	
DN20-3/4"	40	1.3	30	FEJLLH020BSP
DN25-1"	50	2	50	FEJLLH025BSP

DN	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'	DIM 'H'	DIM 'I'	DIM 'J'
20	437	412	86	48	112	31	136	220	220	socket thread G3/4"
25	437	412	86	60	136	31	136	220	220	socket thread G1"



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Low Loss Headers – Low Power DN32–DN50

Specification

Carbon steel body, BSPT male threaded system connections. Plugged air vent and drain connections. Brass thermocouple pocket and clip fitted in 1/2" socket. A low loss header decouples the boiler from the system. This allows the boilers/boiler circuit flow to optimise at best efficiency for any system conditions. For closed HVAC heating systems.

Not suitable for drinking water.

Materials

- Body Carbon steel
- Internals –
- Connection BSPT male, carbon steel

Rating

6 Barg @ 110°C

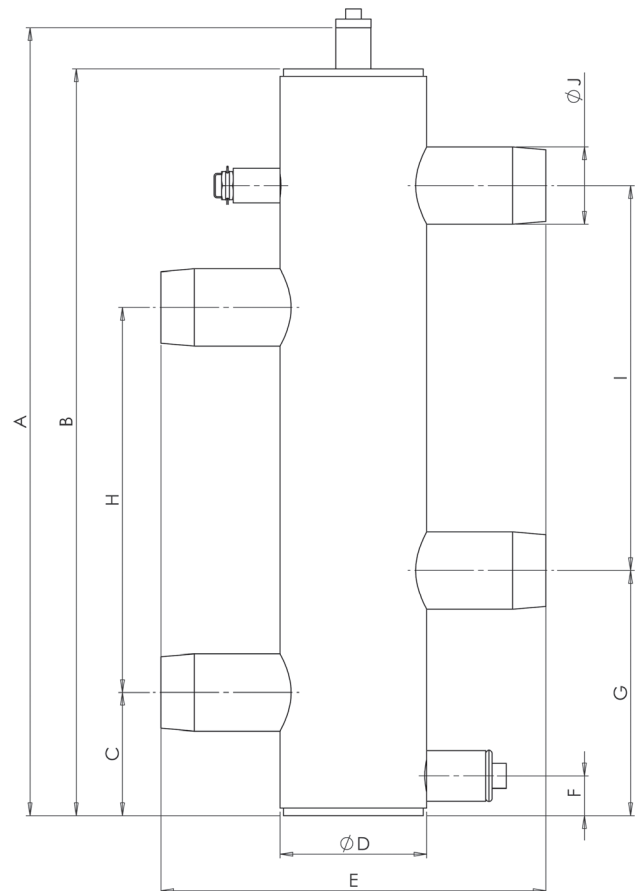
The table shows performance for the FlexEJ Low Loss Headers with a 20°C temperature difference at a flow rate typical for the connection size.

Options

- Valves set including Flamco AAV and drain valve
- Insulation jacket (see page 27)
- Horizontal header – connection manifold (see page 28)

Size	Body size	Flow	Power	Product code
	DN mm	m ³ /h	kW	
DN32-R1¼"	65	3.0	70	FEJLLH032BSP
DN40-R1½"	80	4.7	110	FEJLLH040BSP
DN50-R2"	100	6.9	160	FEJLLH050BSP

DN	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'	DIM 'H'	DIM 'I'	DIM 'J'
32	614	582	96	76	250	31	191	300	300	pipe thread R1¼"
40	614	582	96	88	270	31	191	300	300	pipe thread R1½"
50	614	582	96	114	300	31	191	300	300	pipe thread R2"



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Low Loss Headers – Low Power DN65 PN6

Specification

Carbon steel body, DN65 PN6 flanged system connections. Plugged air vent and drain connections. Brass thermocouple pocket and clip fitted in 1/2" socket.

A low loss header decouples the boiler from the system. This allows the boilers/boiler circuit flow to optimise at best efficiency for any system conditions. For closed HVAC heating systems.

Not suitable for drinking water.

Materials

- Body Carbon steel
- Internals –
- Connection DN65 PN6 flange, carbon steel

Rating

6 Barg @ 110°C

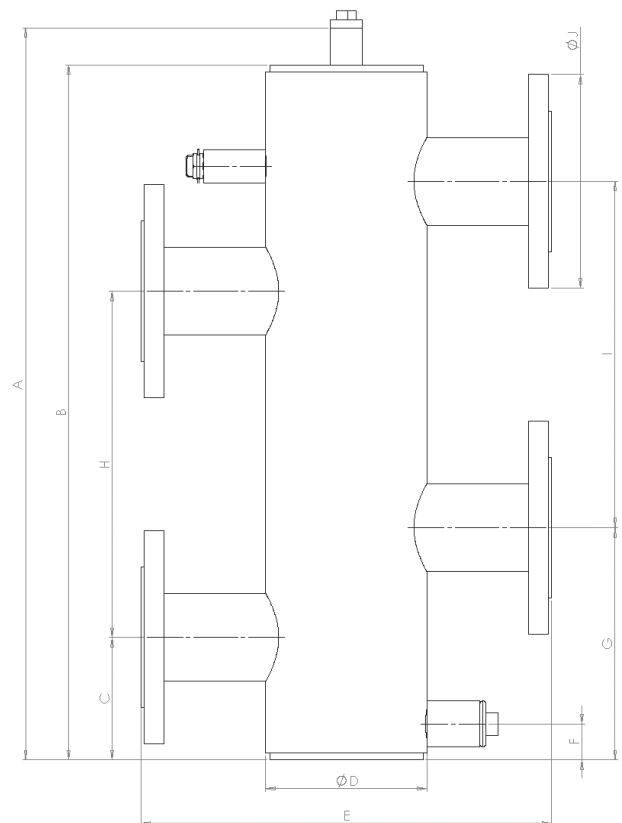
The table shows performance for the FlexEJ Low Loss Headers with a 20°C temperature difference at a flow rate typical for the connection size.

Options

- Valves set including Flamco AAV and drain valve
- Insulation jacket (see page 27)

Size	Body size DN mm	Flow m ³ /h	Power kW	Product code
DN65-2½"	125	12.0	280	FEJLLH065PN6

DN	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'	DIM 'H'	DIM 'I'	DIM 'J'
65	634	602	106	139	356	31	201	300	300	flange DN65, PN6



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Low Loss Headers – Low Power Insulation

Specification

Very flexible filled glass cloth insulation jacket with Velcro hook and loop flaps plus draw cords.

May be fitted to the Low Loss Header when all piping is complete and is easily removed / reinstalled for maintenance.

Materials

- Silicone coated 530 g/m2 e-glass cloth inner and outer, black
- Mineral rock fibre blanket filler 0.040 W/mK

Rating

110°C

Fire Classification: A1 to EN 13501-1

LLH Stock code	Insulation Stock code
FEJLLH020BSP	FEJLLH020BSPINS
FEJLLH025BSP	FEJLLH025BSPINS
FEJLLH032BSP	FEJLLH032BSPINS
FEJLLH040BSP	FEJLLH040BSPINS
FEJLLH050BSP	FEJLLH050BSPINS
FEJLLH065PN6	FEJLLH065PN6INS

Reduces heat loss by 90% in typical conditions



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Low Loss Headers – Low Power Manifolds

Specification

Carbon steel pipe with BSPT male threaded system connections. Supplied with MAC Union (male for DN20 & DN25 and female for DN32 to DN50) for connection to the Low Loss Header, one header cap and one system cap.

Manifolds may be daisy chained to provide additional system connections.

Supplied as pairs.

Not suitable for drinking water.

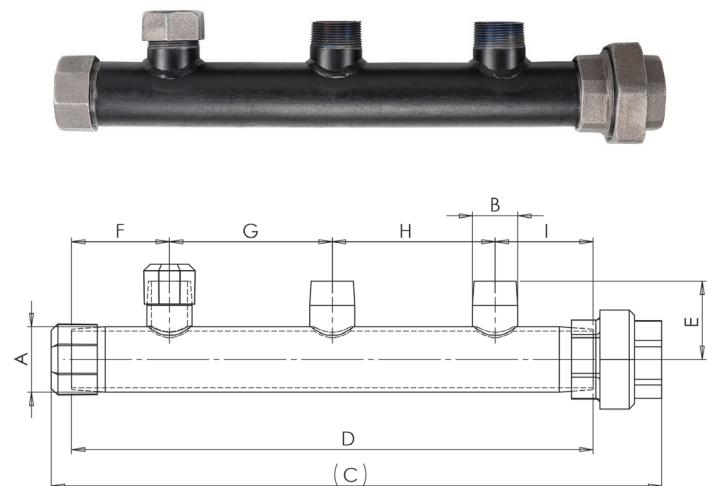
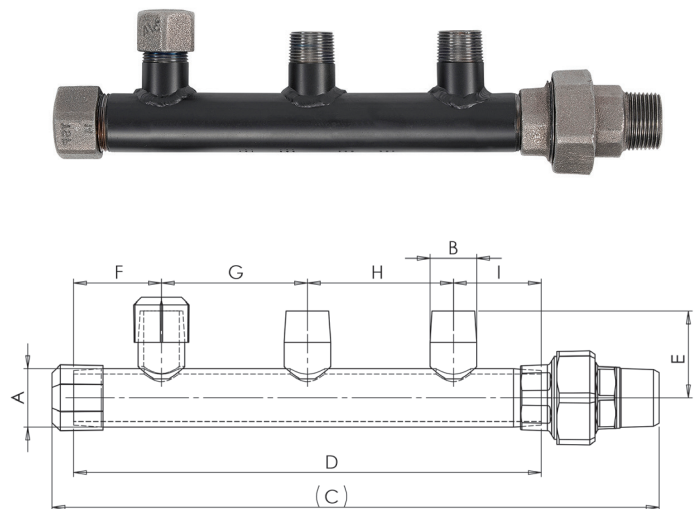
Materials

- Pipe Carbon steel
- Internals –
- Connection BSPT male, carbon steel, pipe caps and union (male for DN20 & DN25 and female for DN32 to DN50) cast iron

Rating

6 Barg @ 110°C

DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'	DIM 'H'	DIM 'I'	Stock code
DN20	DN20	288	215	45	40	67	67	40	FEJMAN020BSP
DN25	DN20	350	270	50	51	84	84	51	FEJMAN025BSP
DN32	DN25	391	339	55	64	106	106	64	FEJMAN032BSP
DN40	DN25	452	386	58	73	121	121	73	FEJMAN040BSP
DN50	DN40	549	482	64	90	151	151	90	FEJMAN050BSP



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Chemical Dosing Pots

Specification

Carbon steel body, DN25 BSP PN40 valve connections, air vent ball valve, Tundish and NRV. Dosing pots are used to safely introduce inhibitors and other chemicals into the flowing system. For closed HVAC heating and cooling systems.

Not suitable for drinking water.

Materials

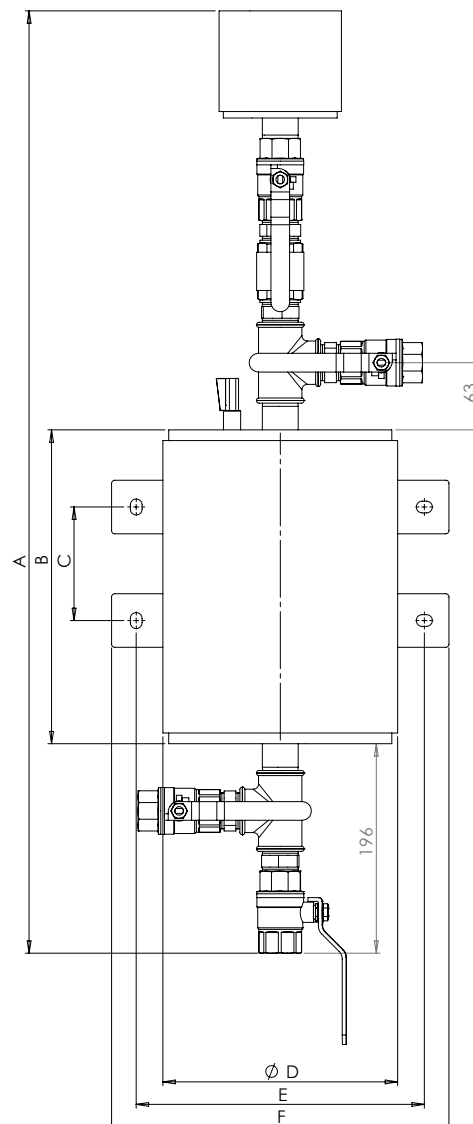
- Body Carbon steel
- Tundish Carbon steel

Rating

10 Barg @ 110°C

Size	Length	Body size	Height	Stock code
in.	mm		mm	
03.5L	770	DN150	770	FEJDP03
05L	845	DN150	845	FEJDP05
10L	880	DN200	880	FEJDP10
15L	1030	DN200	1030	FEJDP15
20L	1175	DN200	1175	FEJDP20
25L	1085	DN250	1085	FEJDP25

Size	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'
3.5L	770	183	N/A	165	269	315
5.0L	845	258	78	165	269	315
10.0L	880	293	106	219	269	315
15.0L	1030	443	255	219	269	315
20.0L	1175	558	408	219	269	315
25.0L	1085	500	326	273	328	375



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Low Loss Headers – High Power Engineered to order

Specification

A full range of Low Loss Headers designed for larger systems. The base specification includes a carbon steel body, flat or pipe cap ends, with flanged PN16 connections, Flamco Flexvent AAV and DN25 drain valve.

The range may be engineered to order to meet any system or site requirements.

Not suitable for drinking water.

Materials

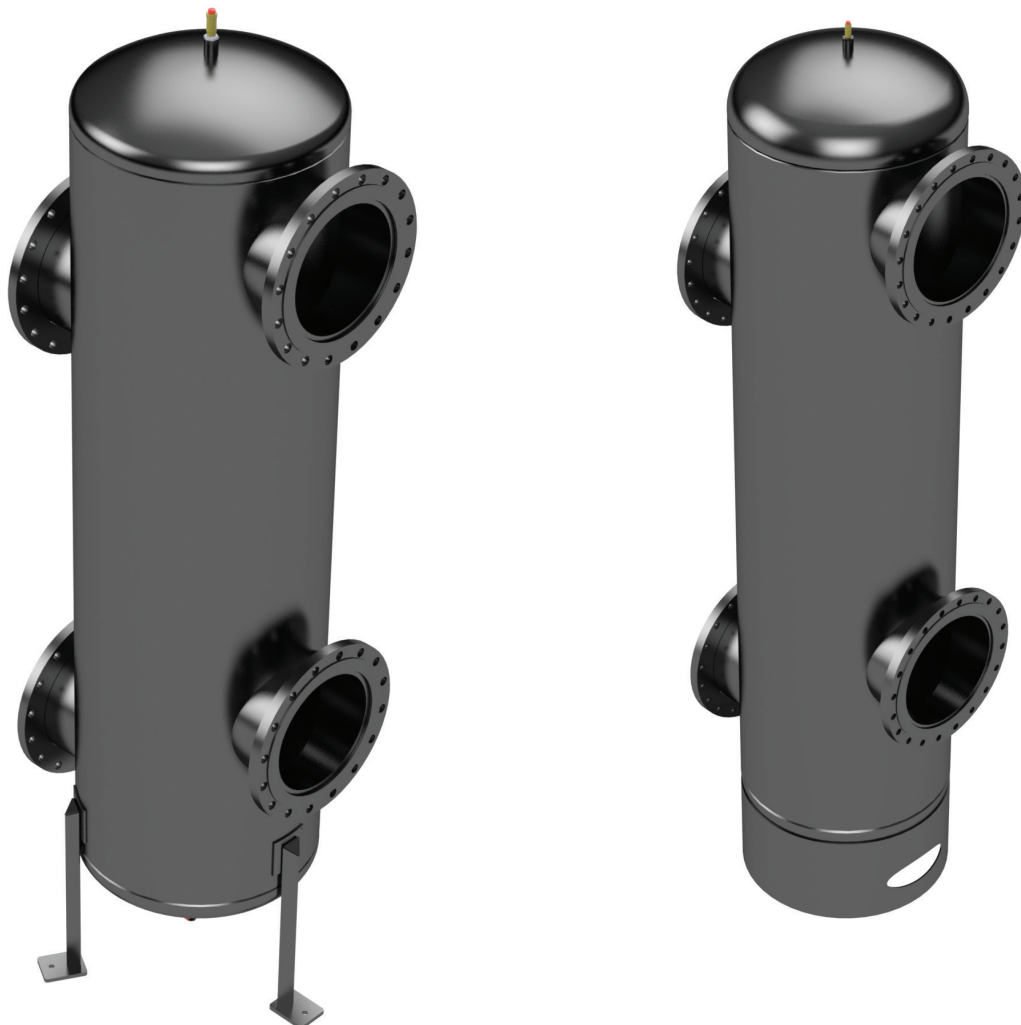
- Body Carbon steel or stainless steel
- Internals –
- Connection Flange type and number of connections to customer requirements

Rating

10 Barg @ 110°C

The table shows performance for the FlexEJ Low Loss Headers with a 20°C temperature difference at a flow rate typical for the connection size.

Size DN	Flow m ³ /h	Power kW	Stock code
DN150-6"	73	1,700	FEJLLH150-300
DN200-8"	90	2,100	FEJLLH200-350
DN200-8"	120	2,800	FEJLLH200-400
DN250-10"	150	3,500	FEJLLH250-450
DN250-10"	193	4,500	FEJLLH250-500
DN300-12"	279	6,500	FEJLLH300-600
DN400-16"	451	10,500	FEJLLH400-750
DN450-18"	516	12,000	FEJLLH450-800
DN450-18"	581	13,500	FEJLLH450-850
DN500-20"	667	15,500	FEJLLH500-900
DN600-24"	903	21,000	FEJLLH600-1050



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Manufactured to order

FlexEJ designs and manufactures in both carbon steel and stainless steel. We can build to meet your exact specifications and requirements:

- Buffer vessels
- Large and multiple circuit low loss headers
- Manifolds
- Pipe spools
- Expansion joints
- Hose assemblies.

Contact us and we will be pleased to help.



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