

NONAIR[®] Micro bubbles Separator with built-in Strainer



This model of NONAIR[®] Micro bubbles Separator is designed to remove both air and dirt from circulating heating and chilled water systems. Floating particles will be trapped in the Strainer. Dirt, sludge and solid particles are collected in the sediment chamber.



DESIGN

The socket at the top of the body, is for **air outlet**. Use a **reliable** Air-Vent with ball valve.

The socket at the top of the body at the outlet, is for **pressure gauge**.

The thread in the cover plate for the strainer insert, is for **drainage**. Use a ball valve with corresponding size.

Reduction and blanking plugs has O-ring sealing of EPDM/NBR-material

Strainer insert have 0,6 mm mesh as standard and 0,3 mm as optional.

Strainer area is 8 times the area for the connecting pipe.

Design pressure: PN10, 10 bar. Design temperature: 110°C

CONNECTIONS

Nonair[®] is mainly made of acid-resistant Stainless Steel material 316L

The units are available with various connection alternatives:

SOCKET connection with sockets made of Stainless Steel material 316L.

Available with female and male threads.

Is used at threaded pipe joint with Stainless or Carbon Steel pipes.

WELDING ENDS 316L with welding ends made of Stainless Steel material 316L.

Is used at welded pipe joint with Stainless Steel pipes.

WELDING ENDS Carbon Steel with welding ends of Steel material acc. to DIN 171 75.

Is used at welded pipe joint with Carbon Steel pipes.

FLANGE connection with welding collars made of Stainless Steel material 316L and loose flanges of Silumin.

Is used at flanged pipe joint with Stainless or Carbon Steel pipes.

GROOVED connection with grooved ends of Steel material acc. to DIN 171 75.

Is used at grooved pipe joint with Victualic[®], Grinnell[®] or similar couplings.

OPERATION FIGURES

Dimensioning: Choose the same dimension as the pipe it is connected with.

Pressure drop, Start: For clean strainer insert according to diagram on next page..

Pressure drop, Final: This is the level when cleaning of the strainer insert is needed. Due to the great active strainer area there will be long interval before cleaning is needed.

Manufacturer:

AVONNI AB

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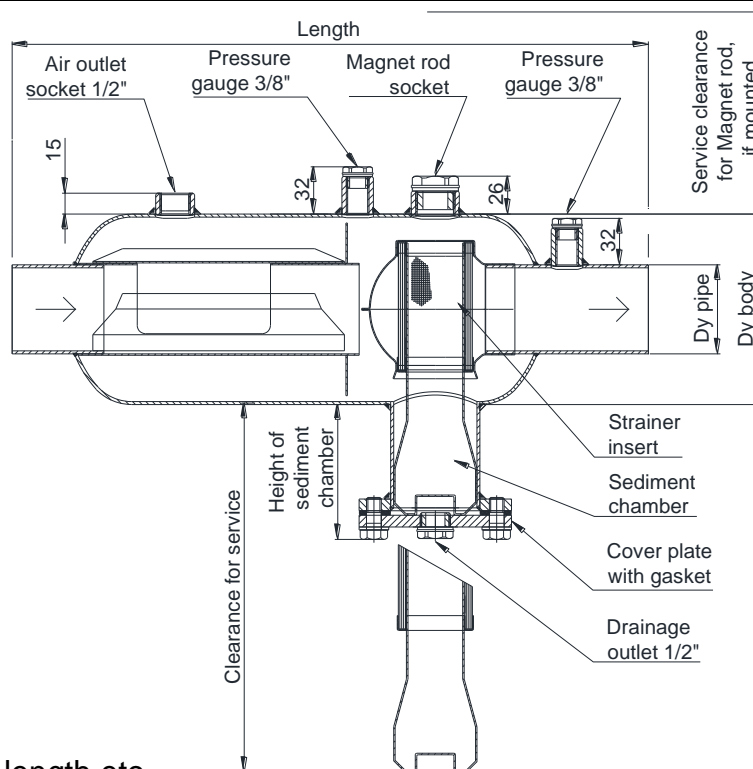


Table for weight, length etc

DIM	Dy body mm	volume litre	sockets		thread	SOCKET		
						female	male	all weight kg
						length mm		
R 50 (2")	129	4	1x 1/2"	2x3/8"	1x1/2"	480	520	4,6

DIM	Dy body mm	volume litre	sockets		thread	WELDING ENDS				FLANGE		GROOVED	
						316L		carbon steel		length mm	weight kg	length mm	weight kg
						length mm	weight kg	length mm	weight kg				
DN 40 (48,3)	129	4	1x 1/2"	2x3/8"	1x1/2"	485	4,2	-	-	515	5,9	-	-
DN 50 (60,3)	129	4	1x 1/2"	2x3/8"	1x1/2"	430	4,2	480	4,4	460	5,9	520	4,4
DN 65 (76,1)	154	7	1x 1/2"	2x3/8"	1x1/2"	500	5,5	550	5,8	530	7,9	590	5,8
DN 80 (88,9)	168	9	1x 1/2"	2x3/8"	1x1/2"	560	9,1	610	9,4	590	12	650	9,4
DN 100 (114,3)	204	15	1x 1/2"	2x3/8"	1x1/2"	635	13	695	14	675	17	735	14
DN 125 (139,7)	256	28	2x 1/2"	2x3/8"	1x1/2"	720	15	720	16	760	20	820	16
DN 150 (168,3)	306	46	2x 1/2"	2x3/8"	1x1/2"	815	20	875	21	855	26	915	21

DIM	height, mm			socket for optional Magnet rod
	sediment chamber	clearance for Strainer insert	clearance for Magnet rod	
DN 40 (48,3)	95	250	140	1 x 3/4"
DN 50 (60,3)	95	250	140	1 x 3/4"
DN 65 (76,1)	95	270	140	1 x 3/4"
DN 80 (88,9)	95	285	185	1 x 1"
DN 100 (114,3)	115	360	185	1 x 1"
DN 125 (139,7)	115	395	270	1 x 1"
DN 150 (168,3)	115	440	270	1 x 1"

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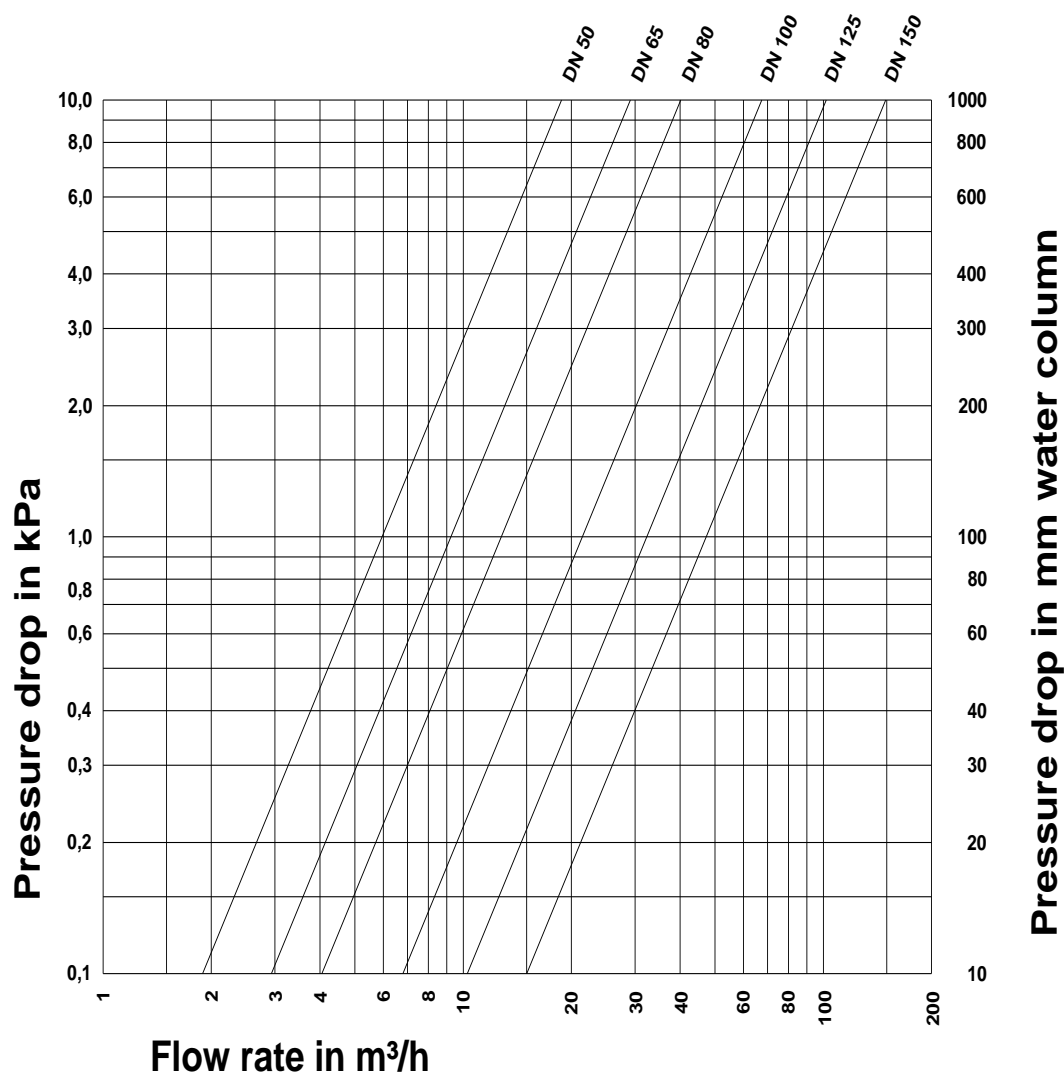
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Diagram for pressure drop over the Strainer insert



The diagram shows the pressure drop over a clean strainer insert with mesh size 0,6 mm. Valid for water without additives.

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