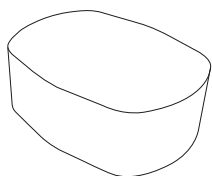




UNIVERSE



Optional - Element de atenuare zgomot
Sound-adsorbing splitter



Descriere: cutie plenum cu racorduri multidirecționale din plastic antibacterian, cu izolație termică interioară și cu opțiunea de a insera element de atenuare zgomot.

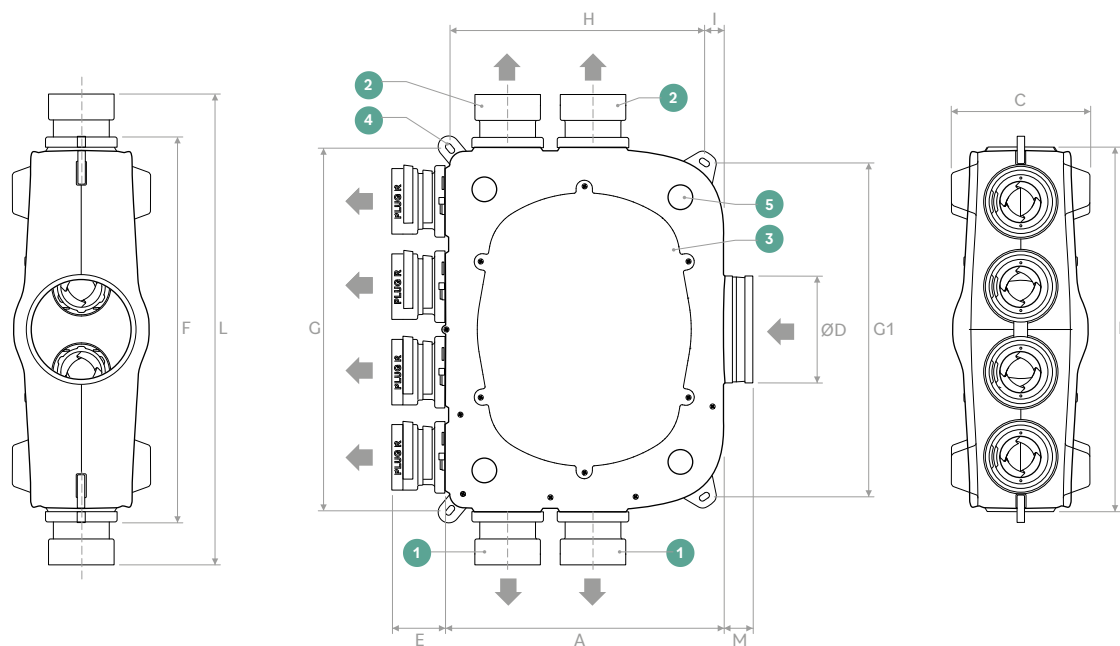
Description: multidirectional distribution plenum box made antibacterial plastic material with internal thermal insulation and with option to insert sound absorbing splitter.

4 capace de izolare
4 sealing caps

4 ștuțuri pentru tub striat
VMC diam 75/90 mm cu
damper iris (PUGR)
4 spigots for VMC corrugated
hose 75/90 mm with iris
damper (PUGR)



DESENE | DRAWINGS



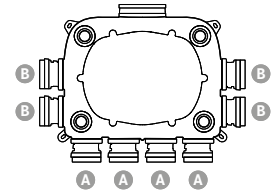
- 1 Orientare dreapta | Right predisposition
- 2 Orientare stânga | Left predisposition
- 3 Capac vizitare | Inspection cover
- 4 Gaură buton 15x8,5 mm | Botton hole 15x8,5 mm
- 5 Picioare suport | Support feet

	A	B	C	ØD	E	F	G	G1	H	I	L	M
mm	410	535	204	157	78	567	531	490	373	29	691	42

Valori ale pierderii de presiune măsurate de un laborator independent conform ISO 5801:2017
Air pressure drop data tested in an Independent Laboratory according to ISO 5801:2017

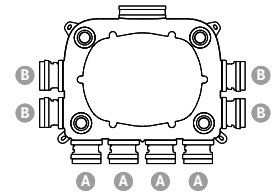
UNIVERSE
doar racordurile frontale
deschise
only frontal spigots open
A

Debit de aer Air flow rate	Pierdere de presiune aer Air pressure drop
mc/h	pa
100	7,7
200	25,4



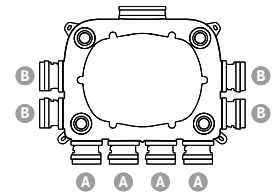
UNIVERSE
doar racordurile laterale
deschise
only lateral spigots open
B

Debit de aer Air flow rate	Pierdere de presiune aer Air pressure drop
mc/h	pa
100	6,1
200	22



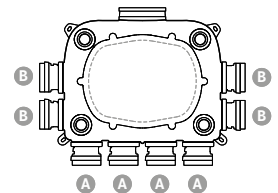
UNIVERSE
toate racordurile deschise
all spigots open
A + B

Debit de aer Air flow rate	Pierdere de presiune aer Air pressure drop
mc/h	pa
100	2,3
200	6,2
300	13,6
400	23,54



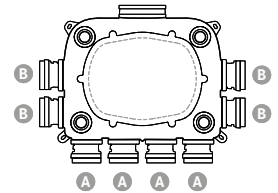
UNIVERSE + UNIVERSENF
doar racordurile frontale
deschise
only frontal spigots open
A

Debit de aer Air flow rate	Pierdere de presiune aer Air pressure drop
mc/h	pa
100	11
200	41,2



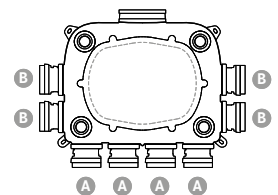
UNIVERSE + UNIVERSENF
doar racordurile laterale
deschise
only lateral spigots open
B

Debit de aer Air flow rate	Pierdere de presiune aer Air pressure drop
mc/h	pa
100	10
200	39,1



UNIVERSE + UNIVERSENF
toate racordurile deschise
all spigots open
A + B

Debit de aer Air flow rate	Pierdere de presiune aer Air pressure drop
mc/h	pa
100	6,1
200	23,1
300	41,3
400	76,2



Date măsurate cu damperul IRIS complet deschis | Data measured with iris damper fully open

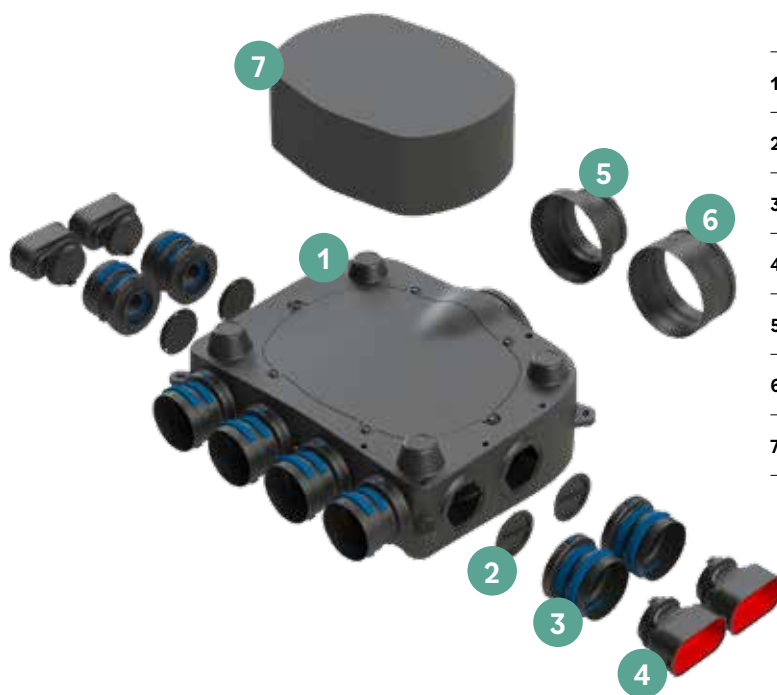


Reducere globală a zgomotului de la sursa de zgomot - testată de un laborator independent conform EN-ISO 3741:2010
 Overall noise reduction from the fan source tested by an independent laboratory according to EN-ISO 3741:2010

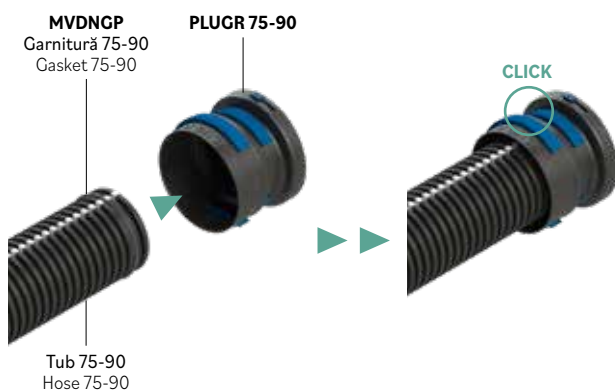
Frecvență Frequency	Air pressure drop
Hz	dB
125	2,8
250	5
500	13,6
1000	13
2000	13,7
4000	15,4
8000	21,5

Valori cu UNIVERSENF instalat și damperul iris complet deschis
 Values with UNIVERSENF installed and iris dampers fully open

APLICAȚII | APPLICATIONS



- | | | |
|---|--------------------|---|
| 1 | UNIVERSE | Cutie plenum pentru distribuție
Distribution plenum box |
| 2 | TPVGX | Capac etanșare
Sealing cap |
| 3 | PLUGR | Aștuț 75/90 mm cu damper iris
Spigot 75/90 mm with iris damper |
| 4 | VMKITTVM | Kit tub oval 102x50 mm
Kit oval hose 102x50 mm |
| 5 | UNIVERSE125 | Conexiune de la 160 la 125 mm
Connection from 160 to 125 mm |
| 6 | UNIVERSE150 | Conexiune de la 160 la 150 mm
Connection from 160 to 150 mm |
| 7 | UNIVERSENF | Element absorbție zgomot
Sound absorbing splitter |



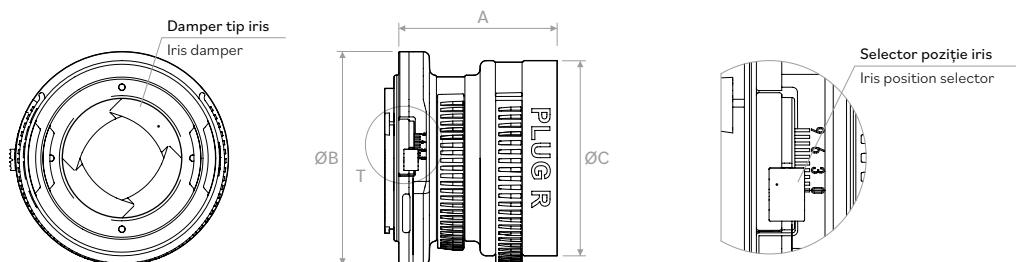
UNIVERSE

PLUGR



Ștuț pentru VMC la tub striat 75/90 cu damper iris pentru reglaj.
Spigot for VMC corrugated hose 75/90 mm with iris damper for air flow adjustment.

DESENE | DRAWINGS



	A	ØB	ØC
mm	78	105	96

PERFORMANȚE | PERFORMANCES

Valori ale pierderii de presiune măsurate de un laborator independent conform ISO 5801:2017
Air pressure drop data tested in an Independent Laboratory according to ISO 5801:2017

Poziție Position	0	3	6	9
Debit de aer Air flow rate (mc/h)	Pierdere de presiune aer Air pressure drop (pa)			
10	13	6,5	2,3	0,8
20	22,6	13,3	4,6	1,5
30	50,4	30,2	10,9	3,4
40	88,6	53,2	19,6	6,6
50	137,1	82,4	30,6	10,9

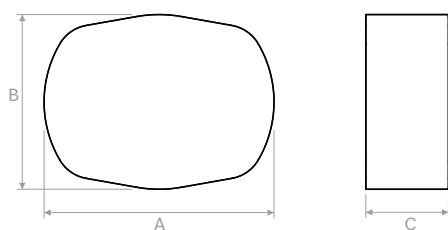


UNIVERSE NF



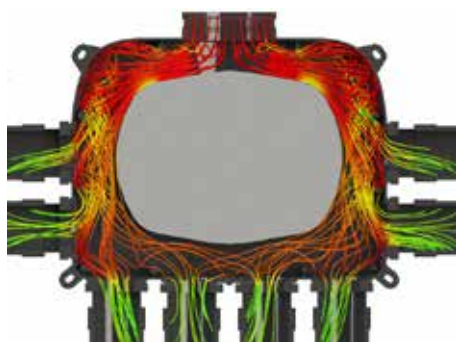
Element atenuare zgomot din fibră de poliester cu protecție din plasa de fibră de sticlă. Acest accesoriu se poate instala chiar dacă plenumul este deja montat.
 Sound absorbing splitter in polyester fiber with external finish in glass fiber fabric. Accessory can also be inserted with the plenum box already installed.

DESENE | DRAWINGS



	A	B	C
mm	362	275	130

Studiu CFD
CFD Study

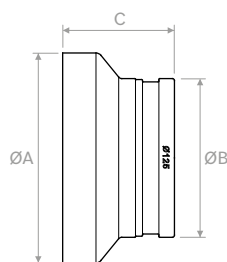


Mod de instalare UNIVERSE NF
Installation mode UNIVERSE NF



UNIVERSE

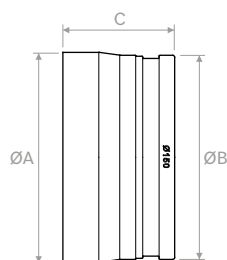
UNIVERSE 125



	ØA	ØB	C
mm	160	122	86

Conexiune 160/125 mm din plastic pentru inserare prin apăsare in modulul.
Connection 160/125 mm made of plastic material to be inserted by pressure on UNIVERSE.

UNIVERSE 150



	ØA	ØB	C
mm	160	157	86

Conexiune 160/150 mm din plastic pentru inserare prin apăsare in modulul.
Connection 160/150 mm made of plastic material to be inserted by pressure on UNIVERSE.



PREȚURI | PRICES

Model Model	Descriere Description	€
UNIVERSE	<p>Kit plenum UNIVERSE incluzând: UNIVERSE plenum kit including:</p> <ul style="list-style-type: none"> - Plenum Plenum - 4 capace TPVGX N° 4 TPVGX caps - N. 4 ștuțuri PLUGR N° 4 PLUGR spigots - Izolație interioară din polietilenă Internal polyethylene insulation <p>Ambalat în cutie de carton Packaged in a cardboard box</p>	
PLUGRK	<p>ștuțuri PLUGR cu damper iris (2 bucăți) PLUGR spigots kit with iris damper (n. 2 pieces)</p>	
UNIVERSE125	<p>Conexiune plenum UNIVERSE cu racord Ø 160 mamă și Ø 125 mm tată UNIVERSE plenum connection with Ø 160 female and Ø 125 mm male</p>	
UNIVERSE150	<p>Conexiune plenum UNIVERSE cu racord Ø 160 mamă și Ø 150 mm tată UNIVERSE plenum connection with Ø 160 female and Ø 150 mm male</p>	
UNIVERSENF	<p>Element absorbție zgomot pentru plenum UNIVERSE Sound-absorbing splitter for UNIVERSE plenum box</p>	