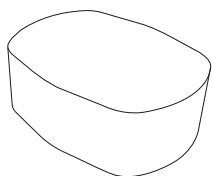




UNIVERSE



Optional - Setto fonoassorbente
Sound-adsorbing splitter



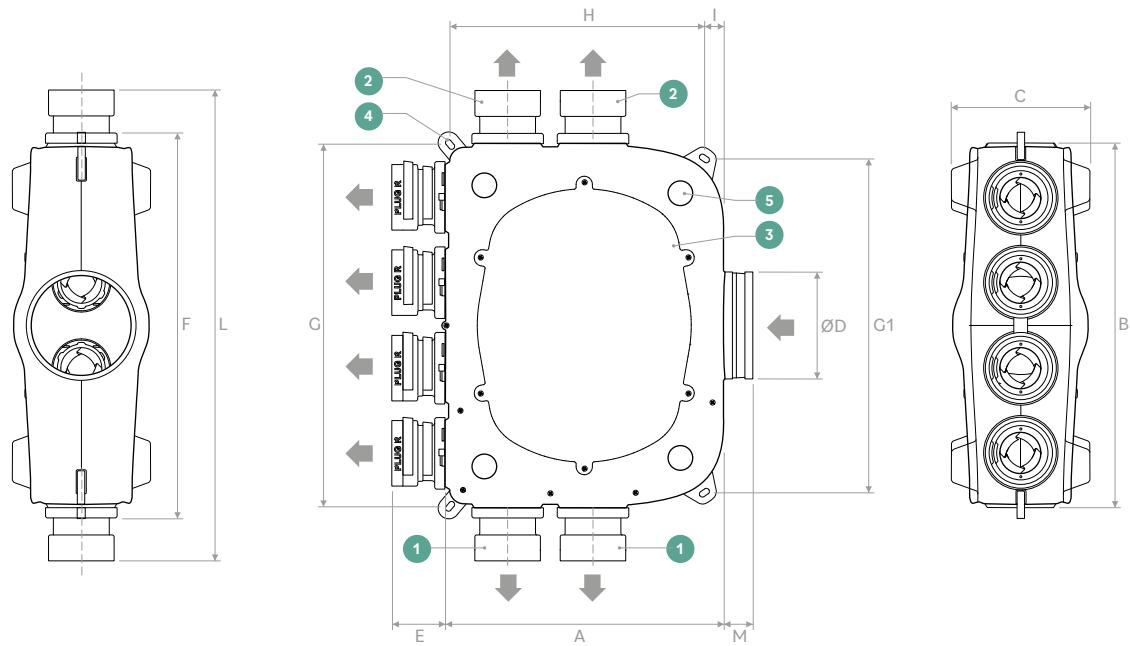
Descrizione: plenum di distribuzione multidirezionale realizzato in materiale plastico antibatterico con isolamento termico interno e con opzione inserimento setto fonoassorbente.

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

4 tappi di chiusura
4 sealing caps

4 attacchi per tubo corrugato
75/90 mm completi di
serranda a iride (PLUGR)
4 spigots for VMC corrugated
hose 75/90 mm with iris
damper (PUGR)





- 1 Predisposizione DX | Right predisposition
- 2 Predisposizione SX | Left predisposition
- 3 Coperchio di ispezione | Inspection cover
- 4 Asola 15x8,5 mm | Botton hole 15x8,5 mm
- 5 Piedini di appoggio | 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 |

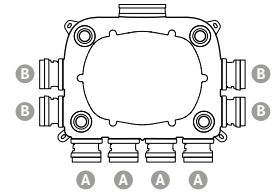
Dati di perdite di carico lato aria testati in Laboratorio Indipendente secondo ISO 5801:2017
Air pressure drop data tested in an Independent Laboratory according to ISO 5801:2017

UNIVERSE

solo attacchi frontali aperti
only frontal spigots open

A

| Portata aria Air flow rate | Perdita di carico lato aria Air pressure drop |
|------------------------------|---|
| mc/h | pa |
| 100 | 7,7 |
| 200 | 25,4 |

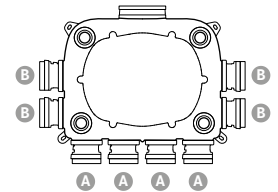


UNIVERSE

solo attacchi laterali aperti
only lateral spigots open

B

| Portata aria Air flow rate | Perdita di carico lato aria Air pressure drop |
|------------------------------|---|
| mc/h | pa |
| 100 | 6,1 |
| 200 | 22 |

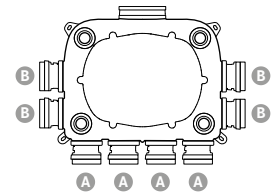


UNIVERSE

tutti attacchi aperti
all spigots open

A + B

| Portata aria Air flow rate | Perdita di carico lato aria Air pressure drop |
|------------------------------|---|
| mc/h | pa |
| 100 | 2,3 |
| 200 | 6,2 |
| 300 | 13,6 |
| 400 | 23,54 |

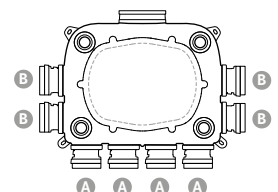


UNIVERSE + UNIVERSENF

solo attacchi frontali aperti
only frontal spigots open

A

| Portata aria Air flow rate | Perdita di carico lato aria Air pressure drop |
|------------------------------|---|
| mc/h | pa |
| 100 | 11 |
| 200 | 41,2 |

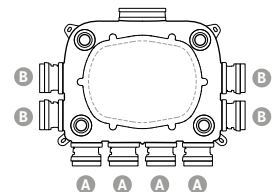


UNIVERSE + UNIVERSENF

solo attacchi laterali aperti
only lateral spigots open

B

| Portata aria Air flow rate | Perdita di carico lato aria Air pressure drop |
|------------------------------|---|
| mc/h | pa |
| 100 | 10 |
| 200 | 39,1 |

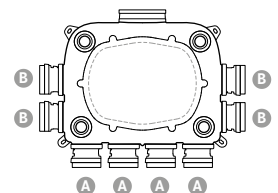


UNIVERSE + UNIVERSENF

tutti attacchi aperti
all spigots open

A + B

| Portata aria Air flow rate | Perdita di carico lato aria Air pressure drop |
|------------------------------|---|
| mc/h | pa |
| 100 | 6,1 |
| 200 | 23,1 |
| 300 | 41,3 |
| 400 | 76,2 |



Dati misurati con serranda a iride completamente aperta | Data measured with iris damper fully open

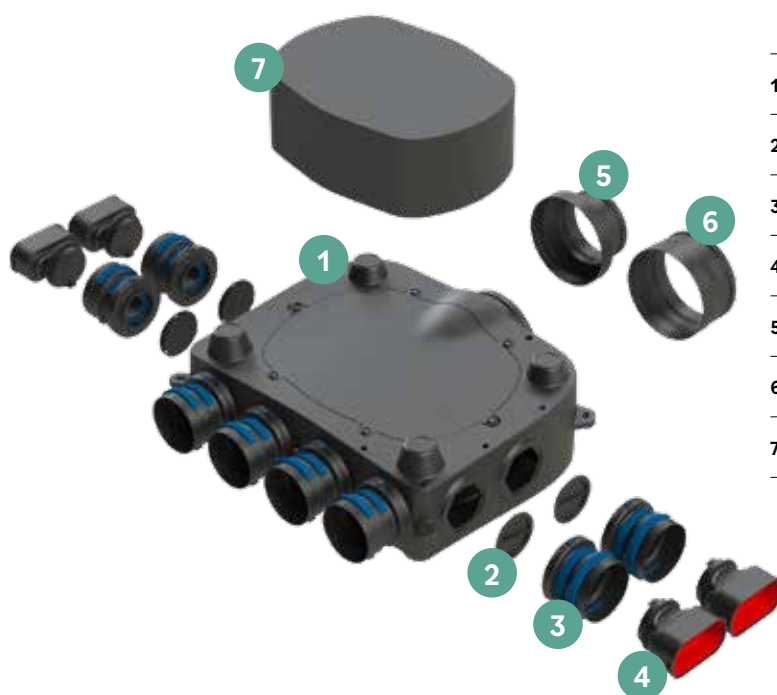


Abbattimento acustico complessivo da fonte ventilatore testato da Laboratorio Indipendente secondo EN-ISO 3741:2010
 Overall noise reduction from the fan source tested by an independent laboratory according to EN-ISO 3741:2010

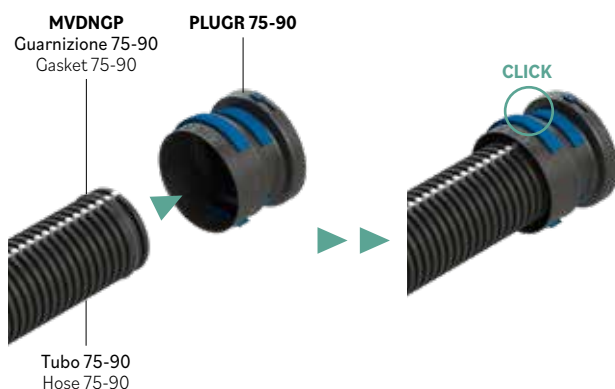
| Frequenza Frequency | Air pressure drop |
|-----------------------|-------------------|
| Hz | dB |
| 125 | 2,8 |
| 250 | 5 |
| 500 | 13,6 |
| 1000 | 13 |
| 2000 | 13,7 |
| 4000 | 15,4 |
| 8000 | 21,5 |

Valori UNIVERSENF installato e serrande a iride completamente aperte
 Values with UNIVERSENF installed and iris dampers fully open

APPLICAZIONI | APPLICATIONS



| | | |
|---|--------------------|--|
| 1 | UNIVERSE | Plenum di distribuzione Distribution plenum box |
| 2 | TPVGX | Tappo di chiusura Sealing cap |
| 3 | PLUGR | Attacco 75/90 mm con serranda ad iride Spigot 75/90 mm with iris damper |
| 4 | VMKITTVM | Kit attacco tubo ovale 102x50 mm Kit oval hose 102x50 mm |
| 5 | UNIVERSE125 | Raccordo da 160 a 125 mm Connection from 160 to 125 mm |
| 6 | UNIVERSE150 | Raccordo da 160 a 150 mm Connection from 160 to 150 mm |
| 7 | UNIVERSENF | Setto fonoassorbente Sound absorbing splitter |



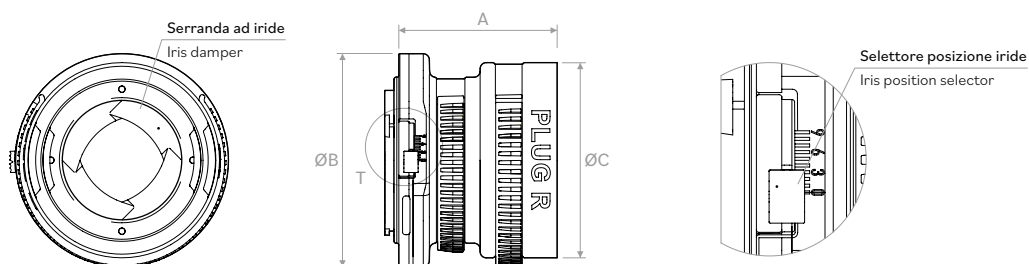
UNIVERSE

PLUGR



Attacco per VMC per tubo corrugato 75/90 mm completo di serranda a iride per regolazione della portata.
Spigot for VMC corrugated hose 75/90 mm with iris damper for air flow adjustment.

DISEGNI | DRAWINGS



| | A | ØB | ØC |
|----|----|-----|----|
| mm | 78 | 105 | 96 |

PRESTAZIONI | PERFORMANCES

Dati di perdite di carico lato aria testati in Laboratorio Indipendente secondo ISO 5801:2017
Air pressure drop data tested in an Independent Laboratory according to ISO 5801:2017

| Posizione Position | 0 | 3 | 6 | 9 |
|-------------------------------------|--|------|------|------|
| Portata aria Air flow rate (mc/h) | Perdite di carico lato aria 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 |



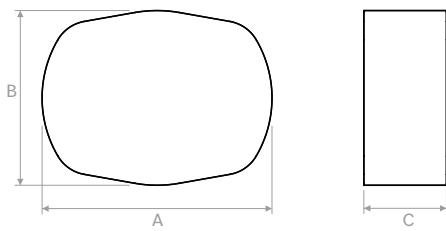
UNIVERSE NF



Setto fonoassorbente in fibra di poliestere con finitura esterna in tessuto di fibra di vetro. Accessorio inseribile anche con plenum già installato.
 Sound absorbing splitter in polyester fiber with external finish in glass fiber fabric. Accessory can also be inserted with the plenum box already installed.

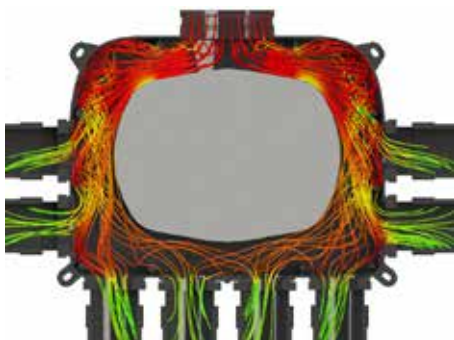
ACCESSORIES - DOMESTIC

DISEGNI | DRAWINGS



| | A | B | C |
|----|----------|----------|----------|
| mm | 362 | 275 | 130 |

Studio CFD
CFD Study

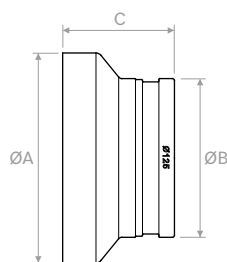


Modalità installazione UNIVERSE NF
Installation mode UNIVERSE NF



UNIVERSE

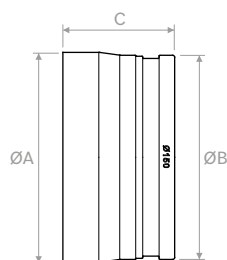
UNIVERSE 125



| | ØA | ØB | C |
|----|-----------|-----------|----------|
| mm | 160 | 122 | 86 |

Raccordo 160/125 mm in materiale plastico da inserire a pressione su UNIVERSE.
Connection 160/125 mm made of plastic material to be inserted by pressure on UNIVERSE.

UNIVERSE 150



| | ØA | ØB | C |
|----|-----------|-----------|----------|
| mm | 160 | 157 | 86 |

Raccordo 160/150 mm in materiale plastico da inserire a pressione su UNIVERSE.
Connection 160/150 mm made of plastic material to be inserted by pressure on UNIVERSE.



CODICI | CODES

| Modello Model | Descrizione Description |
|--------------------|---|
| UNIVERSE | <p>Kit plenum UNIVERSE comprensivo di: UNIVERSE plenum kit including:</p> <ul style="list-style-type: none"> - Plenum Plenum - N. 4 Tappi TPVGX N° 4 TPVGX caps - N. 4 Attacchi PLUGR N° 4 PLUGR spigots - Isolamento interno in polietilene Internal polyethylene insulation <p>Confezionato su scatola di cartone Packaged in a cardboard box</p> |
| PLUGRK | <p>Kit attacco PLUGR con serranda a iride (n. 2 pezzi) PLUGR spigots kit with iris damper (n. 2 pieces)</p> |
| UNIVERSE125 | <p>Raccordo per plenum UNIVERSE con Ø 160 femmina e Ø 125 mm maschio UNIVERSE plenum connection with Ø 160 female and Ø 125 mm male</p> |
| UNIVERSE150 | <p>Raccordo per plenum UNIVERSE con Ø 160 femmina e Ø 150 mm maschio UNIVERSE plenum connection with Ø 160 female and Ø 150 mm male</p> |
| UNIVERSENF | <p>Setto fonoassorbente per plenum UNIVERSE Sound-absorbing splitter for UNIVERSE plenum box</p> |

