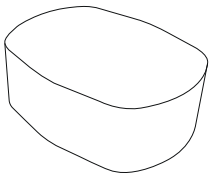


UNIVERSE

PATENT

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

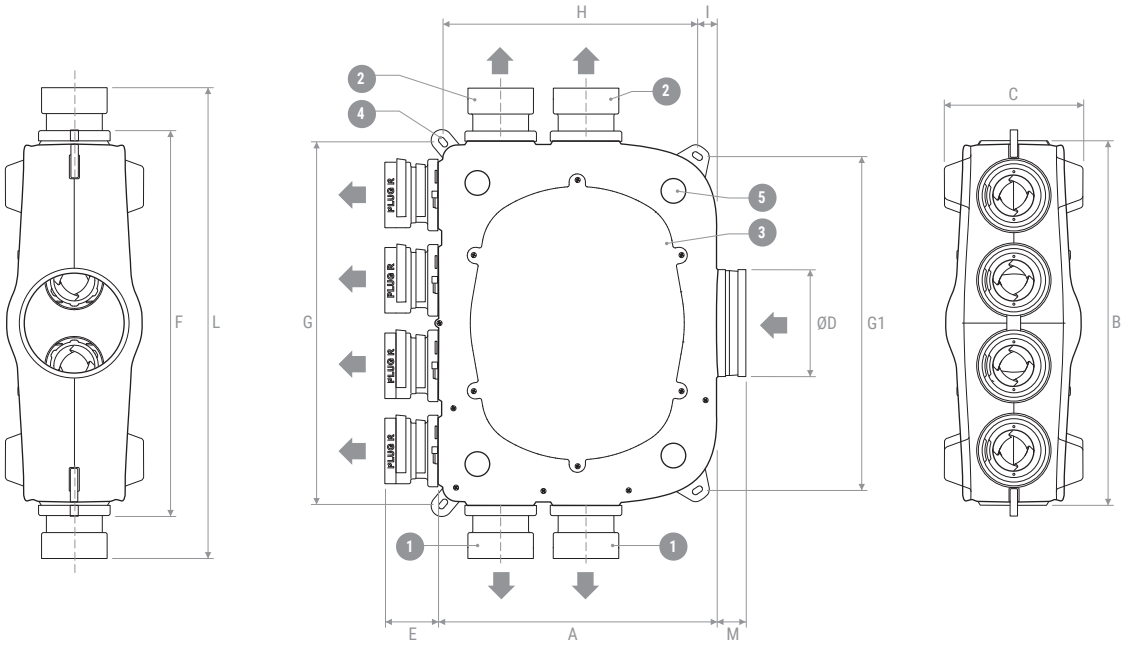
Description: multidirectional distribution plenum box made antibacterial plastic material with option to insert sound absorbing splitter.



Optional - Setto fonoassorbente
Sound-adsorbing splitter



DISEGNI | DRAWINGS



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

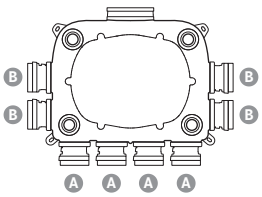
	A	B	C	ØD	E	F	G	G1	H	I	L	M
mm	410	535	204	157	78	567	531	490	373	29	691	42

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

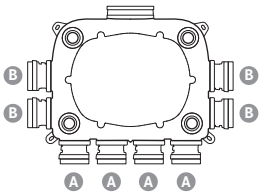
UNIVERSE
solo attacchi frontali aperti
only frontal spigots open
A

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

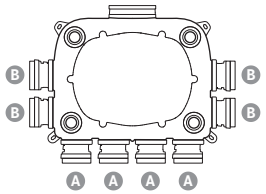
Portata aria | Air flow rate	Perdita di carico lato aria | Air pressure drop
mc/h	pa
100	6,1
200	22



UNIVERSE

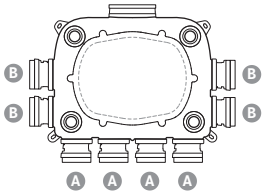
UNIVERSE
tutti attacchi aperti
all spigots open
A + B

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



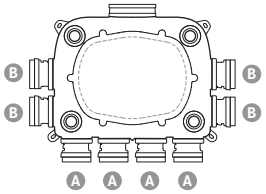
UNIVERSE + UNIVERSENF
solo attacchi frontali aperti
only frontal spigots open
A

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



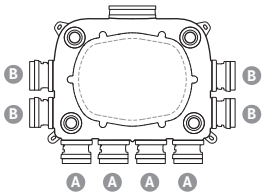
UNIVERSE + UNIVERSENF
solo attacchi laterali aperti
only lateral spigots open
B

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



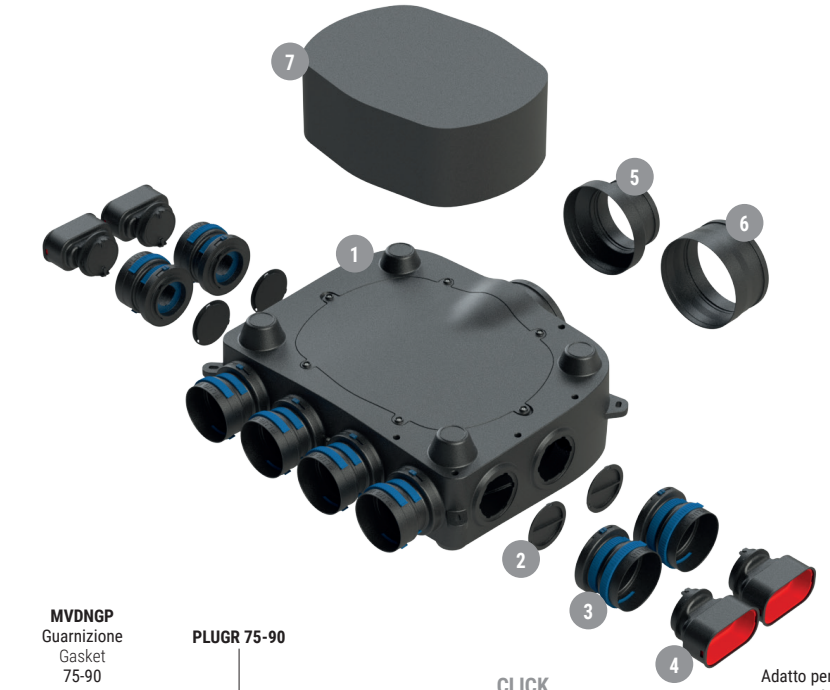
Dati misurati con serranda a iride completamente aperta | Data measured with iris damper fully open

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



UNIVERSE
1. Plenum di distribuzione
Distribution plenum box

TPVGX
2. Tappo di chiusura
Sealing cap

PLUGR
3. Attacco 75/90 mm con serranda ad iride
Spigot 75/90 mm with iris damper

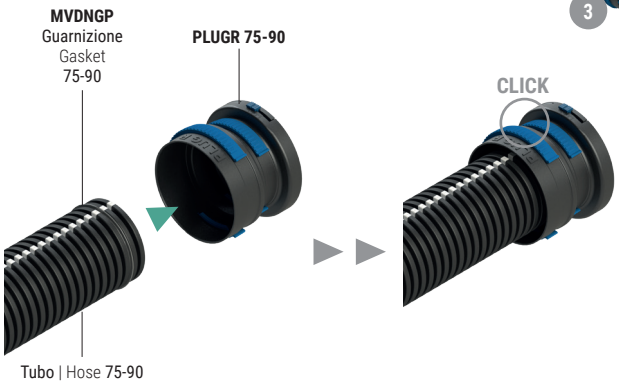
VMKITTVM
4. Kit attacco tubo ovale 102x50 mm
Kit oval hose 102x50 mm

UNIVERSE125
5. Raccordo da 160 a 125 mm
Connection from 160 to 125 mm

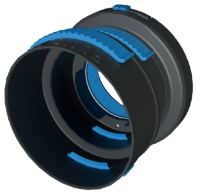
UNIVERSE150
6. Raccordo da 160 a 150 mm
Connection from 160 to 150 mm

UNIVERSENF
7. Setto fonoassorbente
Sound absorbing splitter

Adatto per temperatura minima di immissione aria pari a 18°C
Suitable for minimum supply air temperature equal to 18°C



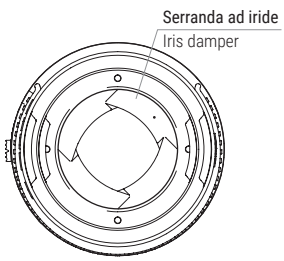
PLUGR

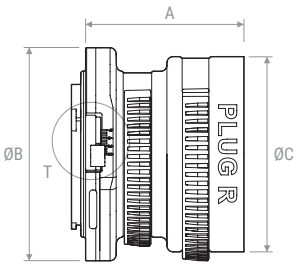


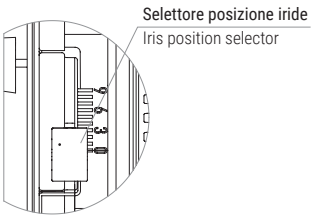
Attacco per VMC per tubo corrugato 75/90 mm completo di serranda a iride per regolazione della portata.
Spigot for VMC corrugated hose 75/90 mm with iris damper for air flow adjustament.

PATENT PENDING

DISEGNI | DRAWINGS







	A	ØB	ØC
mm	78	105	96

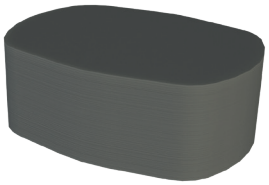
UNIVERSE

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

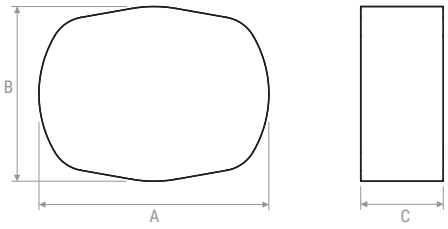
Posizione | Position	**0**	**3**	**6**	**9**
Portata aria | Air flow rate (mc/h)	Perdite di carico lato aria | Air pressure drop (pa)			
10	13	6,5	2,3	0,8
20	22,6	13,3	4,6	1,5
30	50,4	30,2	10,9	3,4
40	88,6	53,2	19,6	6,6
50	137,1	82,4	30,6	10,9

UNIVERSE NF



Setto fonoassorbente in fibra di poliestere con finitura esterna in tessuto di fibra di vetro. Accessorio inseribile anchecon 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.

DISEGNI | DRAWINGS



	A	**B**	**C**
mm	362	275	130

Studio CFD
CFD Study

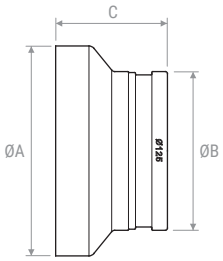


Modalità installazione UNIVERSE NF
Installation mode UNIVERSE NF



UNIVERSE 125



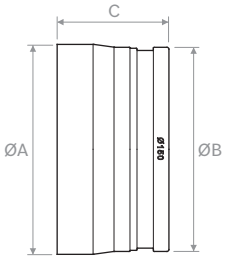


	ØA	ØB	C
mm	160	122	86

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.

VERSIONI DISPONIBILI | VERSIONS AVAILABLE

Modello | Model	Descrizione | Description
UNIVERSE	Kit plenum UNIVERSE comprensivo di: | UNIVERSE plenum kit including: - Plenum | Plenum - N. 4 Tappi TPVGX | N° 4 TPVGX caps - N. 4 Attacchi PLUGR | N° 4 PLUGR spigots Confezionato su scatola di cartone | Packaged in a cardboard box
PLUGRK	Kit attacco PLUGR con serranda a iride (n. 2 pezzi) PLUGR spigots kit with iris damper (n. 2 pieces)
UNIVERSE125	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
UNIVERSE150	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
UNIVERSENF	Setto fonoassorbente per plenum UNIVERSE Sound-absorbing splitter for UNIVERSE plenum box