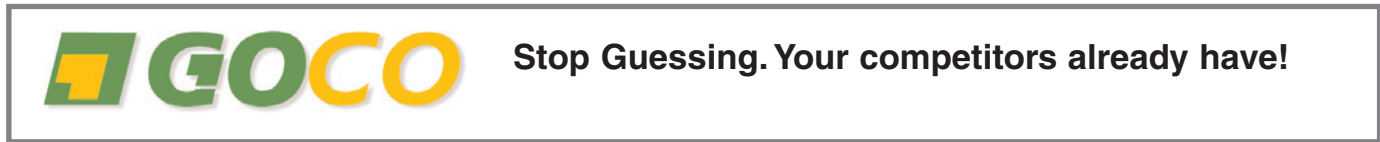




Cleaning Systems Components



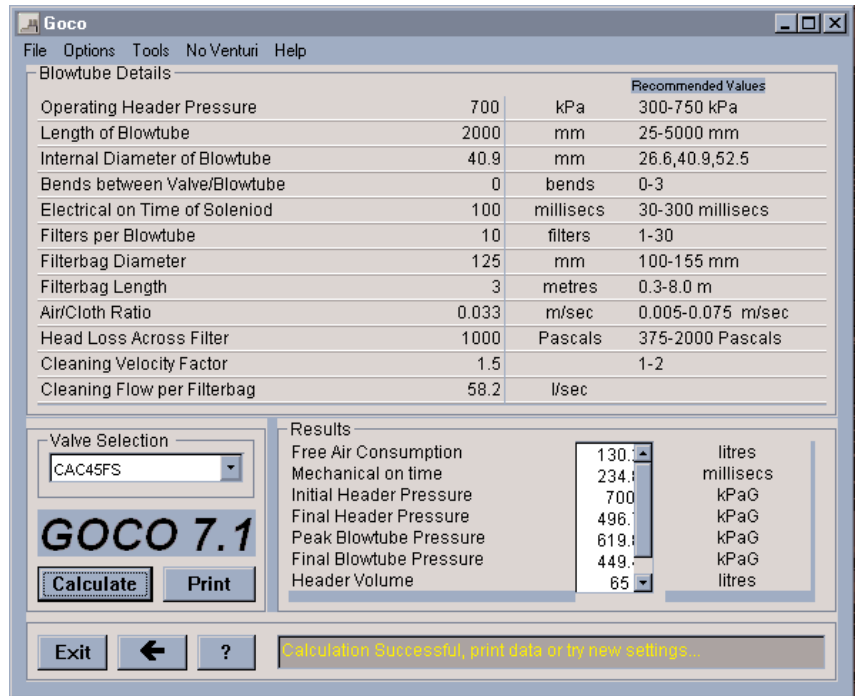
GOCO Software

Goyen's unique cleaning systems modelling software allows our engineers to quickly configure and optimise all significant reverse pulse jet cleaning system parameters to your requirements, including:

- Valve size and type
- Actual cleaning flow rates
- System pressures
- Actual developed over pressures
- Required nozzle orifice sizes
- Required tank sizes
- Free air consumption
- Peak pressures

This modelling service takes the guesswork out of filter cleaning system configuration and is suitable for all fabric filter bags, pleated and cartridge filters. We particularly recommend the use of this free service when using Goyen valves, venturis, and nozzles.

Interface



Sample Output

Date	6/22/99	Valve	CAC45FS	Cleaning System	No Venturi	Venturi Nozzle Size	small																																																							
CUSTOMER		GO-CO Training		GOYEN CONTACT																																																										
CONTACT				PROJECT	Sample																																																									
PHONE				REFERENCE																																																										
FAX																																																														
Length of Blowtube	2000 mm	Operating Header Pressure	700 kPa	Head Loss Across Filter	1000 Pascals	Free Air Consumption	130.2 litres																																																							
Internal Diameter of Blowtube	40.9 mm	Mechanical on time	234.8 millisecs	Initial Header Pressure	700 kPaG	Final Header Pressure	496.7 kPaG																																																							
Bends between Valve/Blowtube	0 bends	Peak Blowtube Pressure	619.8 kPaG	Final Blowtube Pressure	449.4 kPaG	Header Volume	65 litres																																																							
Electrical on Time of Solenoid	100 millisecs	Cleaning Velocity Factor	1.5	Cleaning Flow per Filterbag	58.2 l/sec																																																									
Filters per Blowtube	10 filters																																																													
Filterbag Diameter	125 mm																																																													
Filterbag Length	3 metres																																																													
Air/Cloth Ratio	0.033 m/sec																																																													
<table border="1"> <thead> <tr> <th></th> <th>Static pressure (kPa)</th> <th>Nozzle Size (mm)</th> <th>Cleaning Flow (L/sec)</th> <th>Over pressure (kPa)</th> </tr> </thead> <tbody> <tr><td>1</td><td>529</td><td>8</td><td>57.2</td><td>1470.8</td></tr> <tr><td>2</td><td>531.2</td><td>8</td><td>57.6</td><td>1480.8</td></tr> <tr><td>3</td><td>533.4</td><td>8</td><td>58</td><td>1491.8</td></tr> <tr><td>4</td><td>535.5</td><td>8</td><td>58.5</td><td>1503.8</td></tr> <tr><td>5</td><td>537.7</td><td>8</td><td>59</td><td>1517.3</td></tr> <tr><td>6</td><td>539.9</td><td>8</td><td>59.6</td><td>1532.7</td></tr> <tr><td>7</td><td>542</td><td>8</td><td>60.3</td><td>1550.8</td></tr> <tr><td>8</td><td>544.2</td><td>8</td><td>61.2</td><td>1573.1</td></tr> <tr><td>9</td><td>546.4</td><td>8</td><td>62.3</td><td>1602.8</td></tr> <tr><td>10</td><td>548.5</td><td>8</td><td>64.1</td><td>1649.5</td></tr> </tbody> </table>									Static pressure (kPa)	Nozzle Size (mm)	Cleaning Flow (L/sec)	Over pressure (kPa)	1	529	8	57.2	1470.8	2	531.2	8	57.6	1480.8	3	533.4	8	58	1491.8	4	535.5	8	58.5	1503.8	5	537.7	8	59	1517.3	6	539.9	8	59.6	1532.7	7	542	8	60.3	1550.8	8	544.2	8	61.2	1573.1	9	546.4	8	62.3	1602.8	10	548.5	8	64.1	1649.5
	Static pressure (kPa)	Nozzle Size (mm)	Cleaning Flow (L/sec)	Over pressure (kPa)																																																										
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8	544.2	8	61.2	1573.1																																																										
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10	548.5	8	64.1	1649.5																																																										

Please note that data supplied is for guidance only. Final system design remains the responsibility of the baghouse manufacturer. GOCO 7.1 Copyright Goyen Controls (R) October '98, Serial No. 1945453018

ONLY AVAILABLE FROM GOYEN!
To use this service contact your local Goyen agent.



BES quantifies annual compressed air savings and filter replacement costs within a reverse pulse baghouse.

Baghouse Evaluation System

Goyen's Baghouse Evaluation System software allows almost instant assessment of reverse pulse baghouse running costs in both sequential and demand based cleaning modes giving:

- Total baghouse running costs per annum
- Total compressed air usage per annum
- Filter replacement savings
- Operational efficiencies
- Cost savings estimates and payback periods when using new hardware (such as demand controllers)

Interface

Parameter	Value	Parameter	Value
Valve	45 mm (1 1/2 in) Remote	Free Air Consumption Per Pulse	286.607 L
Number of Valves	10	Free Air Consumption Per Year	451913 (000) L
Electrical On Time	150ms - 249ms	Cost of Compressed Air p.a	\$ 3736
Initial Header Pressure	700 kPa	Total Replacement Cost of Filters p.a	\$ 7666
Time Between Pulses	20 sec	Total Operational Cost p.a	\$ 11402
Number of Hours Per Day	24		
Number of Days Per Year	365		
Current Filter Life	1.5 years		
Number of Filters per Blowtube	10	Efficiency Improvement Using Demand Controller	0 %
Total Number of Filters	100	Operational Cost with dP Controller p.a	\$ 0
Replacement Cost of Filters	\$ 100	Total Saving on Filters p.a	\$ 0
Labour Cost associated with replacement of Filter	\$ 15	Total Savings of Compressed Air p.a	\$ 0
Cost of kW-Hr	7.5 cents	Total Savings with dP Controller p.a	\$ 0

Parameter	Value	Parameter	Value
Valve	45 mm (1 1/2 in) Remote	Free Air Consumption Per Pulse	286.607 L
Number of Valves	10	Free Air Consumption Per Year	451913 (000) L
Electrical On Time	150ms - 249ms	Cost of Compressed Air p.a	\$ 3736
Initial Header Pressure	700 kPa	Total Replacement Cost of Filters p.a	\$ 7666
Time Between Pulses	20 sec	Total Operational Cost p.a	\$ 11402
Number of Hours Per Day	24		
Number of Days Per Year	365		
Current Filter Life	1.5 years		
Number of Filters per Blowtube	10	Efficiency Improvement Using Demand Controller	30 %
Total Number of Filters	100	Operational Cost with dP Controller p.a	\$ 7981
Replacement Cost of Filters	\$ 100	Total Saving on Filters p.a	\$ 2299
Labour Cost associated with replacement of Filter	\$ 15	Total Savings of Compressed Air p.a	\$ 1120
Cost of kW-Hr	7.5 cents	Total Savings with dP Controller p.a	\$ 3420

ONLY AVAILABLE FROM GOYEN!
To use this service contact your local Goyen agent.

Technical Specification

GOCO Nozzle PLC (1" and 1.5" Pipe)



VN-25-PC-50



VN-45-PC-50

Description

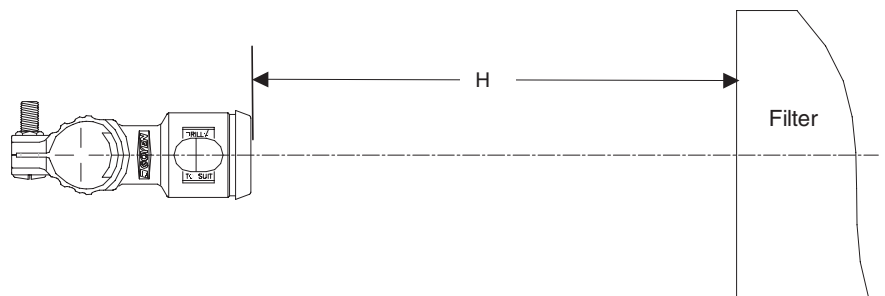
Goyen's range of plastic nozzles measurably increase developed pressures in filters during reverse pulse cleaning by balancing the flow through all holes along the blowtube, ensuring that the pulse jet is directed fully into the filters, and minimising the pressure drop through the blowtube holes. Goyen's nozzles ensure effective cleaning is achieved at An/Ap (total blowtube hole area/blowtube cross-sectional area) values up to 1.5, extracting maximum pulse performance from the diaphragm valves. Typical systems not using the Goco nozzle perform at 0.5 to 0.8.

Suitable for

1" and 1.5" pipe diameters in reverse pulse jet filter cleaning applications and its variations including bag filters and cartridge filters. Plastic nozzles are not suitable for high ambient temperature applications above 80°C (176°F).

Installation

For best performance, $H = (\text{Ø Filter} - 48) / 0.353$ (mm) or $H = (\text{Ø Filter} - 1.88) / 0.353$ (inches). Prepare Ø27-28mm (Ø1.06 - 1.10") holes in the blowtube.

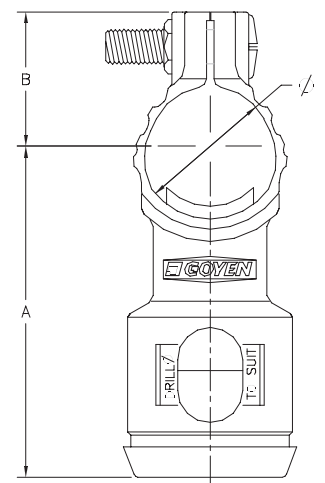
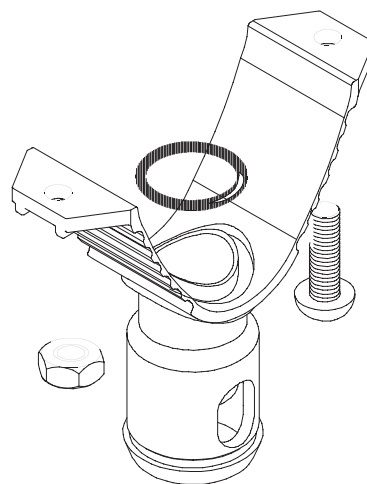


Dimensions and Weights

(Dimensions in mm and [inches])

Model	A	B	Ø
VN25PC-50	110 mm [4.33"]	76mm [3.00"]	33mm [1.32"]
VN45PC-50	126 mm [4.97"]	84 mm [3.29"]	48mm [1.90"]

Nozzles must be drilled to required orifice size before installation. Ensure o-ring is in place when fitting nozzle to pipe.



Order Code and Characteristics

Order Code	VN-25-PC-50	VN-45-PC-50
Suitable for pipe Ø	1" (Schedule 40)	1.5" (Schedule 40)
Nominal pipe external Ømm (inches)	33 (1.32)	48 (1.90)
Temperature range °C (°F)	-40 (-40) to 80 (176)	-40 (-40) to 80 (176)
Material	PA-6	PA-6
Unit mass Kg (lbs)	0.060 (0.13)	0.065 (0.14)
Pipe hole Ø to accept nozzle mm (inches)	22.0 (0.866)	26.0 (1.023)

Nozzle sizes can be optimised using Goyen's GOCO software. Contact your local Goyen representative.

Technical Specification

GOCO Nozzle Screw In (3/4" and 1" Pipe)

Description

Goyen's range of plastic screw in nozzles measurably increase developed pressures in filters during reverse pulse cleaning by balancing the flow through all holes along the blowtube, ensuring that the pulse jet is directed fully into the filters, and minimising the pressure drop through the blowtube holes.

Goyen's nozzles ensure effective cleaning is achieved at An/AP (total blowtube hole area/blowtube cross-sectional area) values up to 1.5, extracting maximum pulse performance from the diaphragm valves. Systems not using the Goco nozzle perform at 0.5 to 0.8.

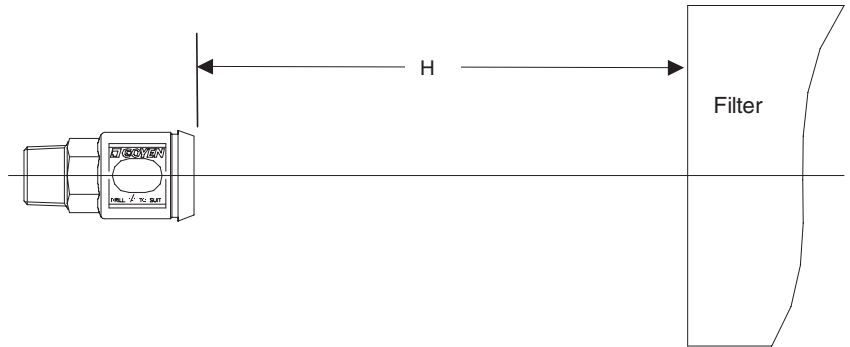
Suitable for

1" and 1.5" pipe diameters in reverse pulse jet filter cleaning applications and its variations including bag filters and cartridge filters.

Plastic nozzles are not suitable for high ambient temperature applications above 80°C (176°F). These nozzles are designed to be screwed directly into the threaded outlet of a 'T' series dust collector valve, or into threaded sockets welded to blowtubes.

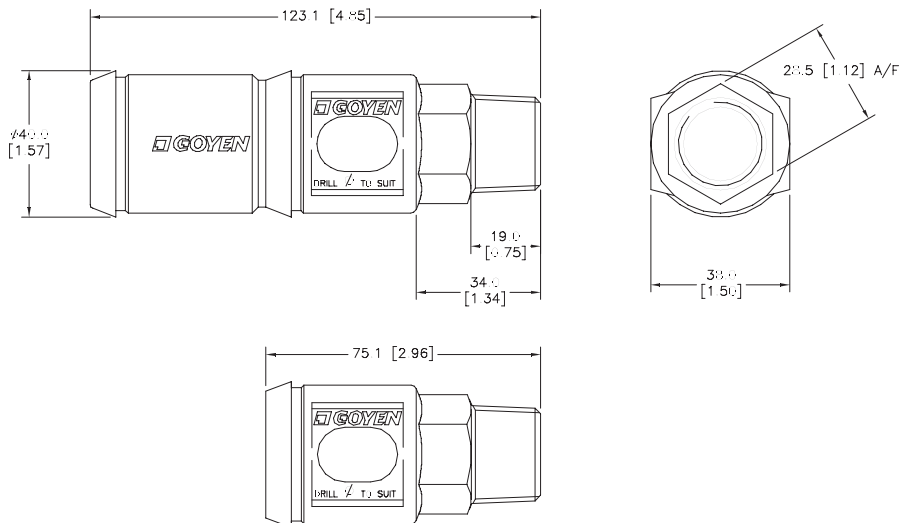
Installation

For best performance, $H = (\text{Ø Filter} - 48) / 0.353$ (mm) or $H = (\text{Ø Filter} - 1.88) / 0.353$ (inches). Nozzles must be drilled to appropriate orifice size before installation.



Dimensions and Weights

(Dimensions in mm and [inches])



Order Code and Characteristics

Order Code	Connection Size mm (inches)	Thread Type	Barrel Length mm (inches)	Unit Mass Kg (lbs)	Material	Temperature Rating °C °(F)
VN20SPN-50	20 (3/4)	NPT	56 (2.2)	0.040 (0.09)	PA-6	-40(-40) to 80 (176)
VN20SPR-50	20 (3/4)	R	56 (2.2)	0.040 (0.09)	PA-6	-40(-40) to 80 (176)
VN20SPN-100	20 (3/4)	NPT	104 (4.1)	0.065 (0.14)	PA-6	-40(-40) to 80 (176)
VN20SPR-100	20 (3/4)	R	104 (4.1)	0.065 (0.14)	PA-6	-40(-40) to 80 (176)
VN25SPN-50	25 (1)	NPT	56 (2.2)	0.040 (0.09)	PA-6	-40(-40) to 80 (176)
VN25SPR-50	25 (1)	R	56 (2.2)	0.040 (0.09)	PA-6	-40(-40) to 80 (176)
VN25SPN-100	25 (1)	NPT	104 (4.1)	0.065 (0.14)	PA-6	-40(-40) to 80 (176)
VN25SPR-100	25 (1)	R	104 (4.1)	0.065 (0.14)	PA-6	-40(-40) to 80 (176)

Nozzle sizes can be optimised using Goyen's GOCO software. Contact your local Goyen representative.

Technical Specification

GOCO Nozzle [Aluminium] (1" and 1.5" Pipe)



Description

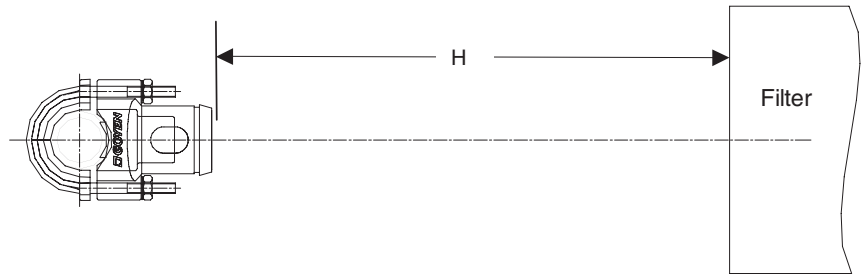
Goyen's range of nozzles measurably increase developed pressures in filters during reverse pulse cleaning by balancing the flow through all holes along the blowtube, ensuring that the pulse jet is directed fully into the filters, and minimising the pressure drop through the blowtube holes. Goyen's nozzles ensure effective cleaning is achieved at A_n/A_p (total blowtube hole area/blowtube cross-sectional area) values up to 1.5, extracting maximum pulse performance from the diaphragm valves. Typical systems not using the Goco nozzle perform at 0.5 to 0.8.

Suitable for

1" and 1.5" pipe diameters in reverse pulse jet filter cleaning applications and its variations including bag filters, cartridge filters, ceramic filters, and sintered metal fibre filters.

Installation

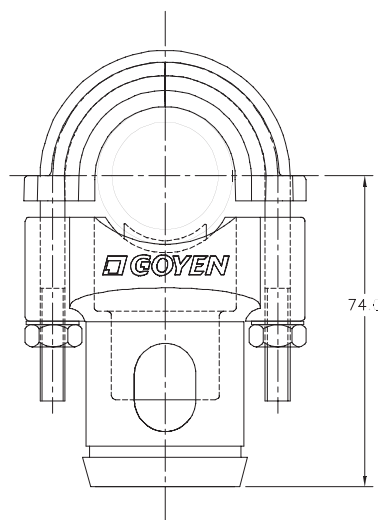
For best performance, $H = (\text{Ø Filter} - 48)/0.353$ (mm) or $H = (\text{Ø Filter} - 1.88)/0.353$ (inches). Prepare $\text{Ø}27\text{-}28\text{mm}$ ($\text{Ø}1.06 - 1.10"$) holes in the blowtube.



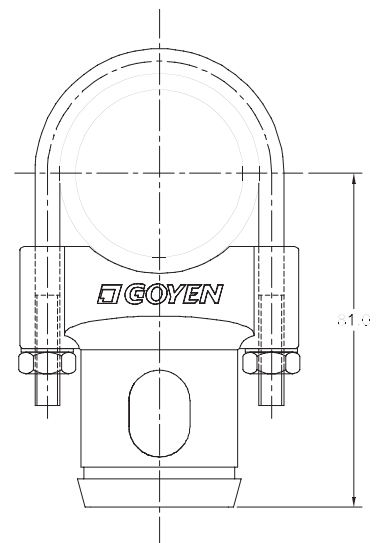
Dimensions and Weights

(Dimensions in mm)

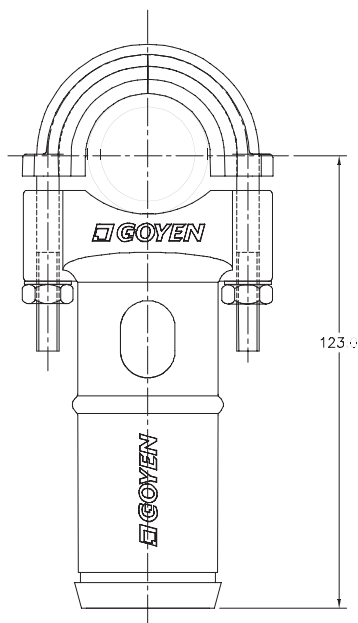
Item	Mass Kg (lbs)	Item	Mass Kg (lbs)
VNA25C-50	0.175 (0.366)	VNA25C-100	0.220 (0.485)
VNA45C-50	0.160 (0.353)	VNA45C-100	0.205 (0.452)
AL25-B/BD# & AL45-B/BD#	0.055 (0.121)	REG-#	0.020 (0.044)



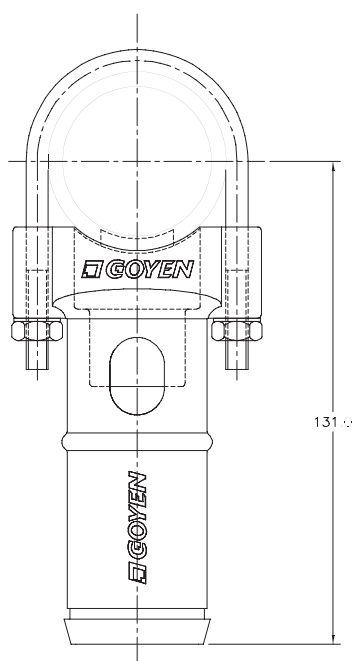
VNA25C-50
To suit 1" schedule 40 pipe.



VNA45C-50
To suit 1.5" schedule 40 pipe.



VNA25C-100
To suit 1" schedule 40 pipe.



VNA45C-100
To suit 1.5" schedule 40 pipe.

Order Code and Characteristics

Diecast Nozzles

Code	Description	Material
VNA25C-50	Diecast venturi nozzle assembly to suit 1" pipe, short barrel.	Body and saddle: diecast aluminium Clamp, nuts & washers: nickel plated mild steel
VNA25C-100	Diecast venturi nozzle assembly to suit 1" pipe, long barrel.	Body and saddle: diecast aluminium Clamp, nuts & washers: nickel plated mild steel
VNA45C-50	Diecast venturi nozzle assembly to suit 1.5" pipe, short barrel.	Body and saddle: diecast aluminium Clamp, nuts & washers: nickel plated mild steel
VNA45C-100	Diecast venturi nozzle assembly to suit 1.5" pipe, long barrel.	Body and saddle: diecast aluminium Clamp, nuts & washers: nickel plated mild steel

Nozzle Inserts

Code	Description	Material	Temperature Range °C °(F)
AL25-B	Diecast nozzle insert to suit VNA25 series. Insert orifice to be drilled by customer. No seals required.	Diecast aluminium	-60 (-76) to 400 (752)
AL25-BD#	Diecast nozzle insert to suit VNA25 series. Insert comes pre drilled by the factory to the size specified by #. (#=4mm to 22mm)No seals required.	Diecast aluminium	-60 (-76) to 400 (752)
AL45-B	Diecast nozzle insert to suit VNA45 series. Insert orifice to be drilled by customer.No seals required.	Diecast aluminium	-60 (-76) to 400 (752)
AL45-BD#	Diecast nozzle insert to suit VNA45 series. Insert comes pre drilled by the factory to the size specified by #. (#=4mm to 22mm)No seals required.	Diecast aluminium	-60 (-76) to 400 (752)
REG-#	Plastic nozzle insert with rubber seal. Suits both VNA25 and VNA45 series. (#=4mm to 22mm)	Insert: PA-6 30% glass filled.Seal: Nitrile	-40 (-40) to 80 (176)

To order specify nozzle and nozzle insert codes separately. For example:

VNA25C-50 and REG-14 for a short nozzle to suit a 1" pipe with a 14mm plastic insert.

VNA45C-100 and AL45-BD10 for a long nozzle to suit a 1.5" pipe with a 10mm aluminium insert.

Nozzle sizes can be optimised using Goyen's GOCO software. Contact your local Goyen representative.

Technical Specification

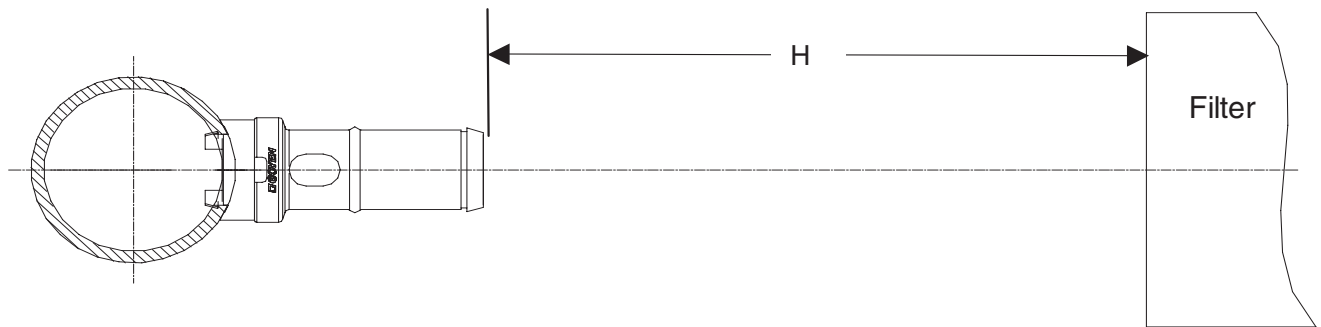
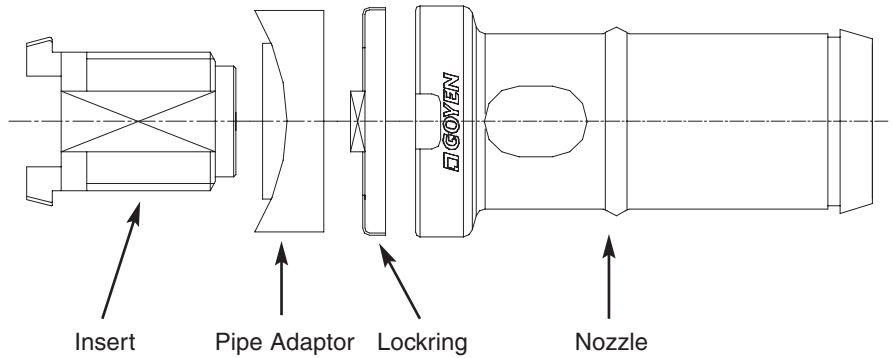
GOCO Nozzle [Strapless] (2"2.5", 3" and 4" Pipe)

Description

Goyen's range of nozzles measurably increase developed pressures in filters during reverse pulse cleaning by balancing the flow through all holes along the blowtube, ensuring that the pulse jet is directed fully into the filters, and minimising the pressure drop through the blowtube holes. Goyen's nozzles ensure effective cleaning is achieved at An/Ap (total blowtube hole area/blowtube cross-sectional area) values up to 1.5, extracting maximum pulse performance from the diaphragm valves. Typical systems not using the Goco nozzle perform at 0.5 to 0.8.

Installation

For best performance, $H = (\text{Ø Filter} - 48) / 0.353$ (mm) or $H = (\text{Ø Filter} - 1.88) / 0.353$ (inches). Prepare Ø27-28mm (Ø1.06 - 1.10") holes in the blowtube.



Suitable for

2", 2.5", 3" and 3" schedule 40 pipe diameters as used in reverse pulse jet filter cleaning applications and its variations including bag filters, cartridge filters, ceramic filters, and sintered metal fibre filters.

1. Ensure holes prepared in the blowtube are free from burrs.
2. Assemble the insert into nozzle passing through the pipe adaptor and locking as illustrated above. Only screw the insert part way into the nozzle.
3. Align the insert lugs along the axis of the blowtube, and hook one lug into the blowtube
4. Swing the second lug up into the blowtube and slide the pipe adaptor up and onto the blowtube hole.
5. Screw the nozzle up onto the insert checking that all components are aligned. Hand tight is sufficient.
6. Dent the locking into one or both of the nozzle cavities, this will ensure the assembly is permanently locked in place. To remove the nozzle bend the dent out using a screwdriver blade.

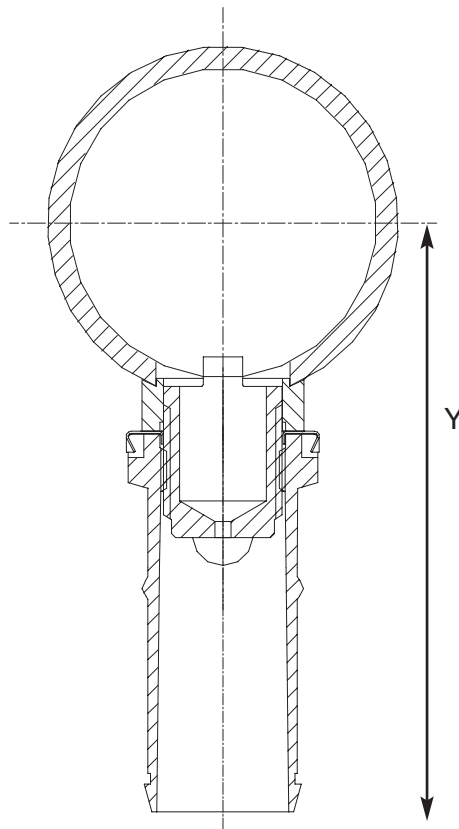


Dimensions and Weights

(Dimensions in mm)

Item	Mass Kg (lbs)	Item	Mass Kg (lbs)
VNA50I-50	0.115 (0.254)	VNA50I-100	0.205 (0.452)
VNA62I-50	0.115 (0.254)	VNA62I-100	0.205 (0.452)
VNA76I-50	0.115 (0.254)	VNA76I-100	0.205 (0.452)
VNA102I-50	0.115 (0.254)	VNA102I-100	0.205 (0.452)

Order Code	Y mm (inches)	Order Code	Y mm (inches)
VNA50I-50	88 (3.46)	VNA50I-100	138 (5.43)
VNA62I-50	94 (3.71)	VNA62I-100	145 (5.68)
VNA76I-50	102 (4.03)	VNA76I-100	152 (6.00)
VNA102I-50	115 (4.53)	VNA102I-100	165 (6.50)



Order Code and Characteristics

Diecast Nozzles

Code	Schedule 40 Pipe (inches)	Description	Material	Temperature Range °C °(F)
VNA50I-50	2	Short barrel	Diecast aluminium & galvanised steel (lockring)	-60 (-76) - 400 (752)
VNA62I-50	2.5	Short barrel	Diecast aluminium & galvanised steel (lockring)	-60 (-76) - 400 (752)
VNA76I-50	3	Short barrel	Diecast aluminium & galvanised steel (lockring)	-60 (-76) - 400 (752)
VNA102I-50	4	Short barrel	Diecast aluminium & galvanised steel (lockring)	-60 (-76) - 400 (752)
VNA50I-100	2	Long barrel	Diecast aluminium & galvanised steel (lockring)	-60 (-76) - 400 (752)
VNA62I-100	2.5	Long barrel	Diecast aluminium & galvanised steel (lockring)	-60 (-76) - 400 (752)
VNA76I-100	3	Long barrel	Diecast aluminium & galvanised steel (lockring)	-60 (-76) - 400 (752)
VNA102I-100	4	Long barrel	Diecast aluminium & galvanised steel (lockring)	-60 (-76) - 400 (752)

Note that assemblies include nozzle, pipe adaptor, nozzle insert and lockring. Nozzle inserts must be drilled to required orifice size. Nozzle sizes can be optimised using Goyen's GOCO software. Contact your local Goyen representative

Technical Specification **Cartridge Cleaning Cone**



Description

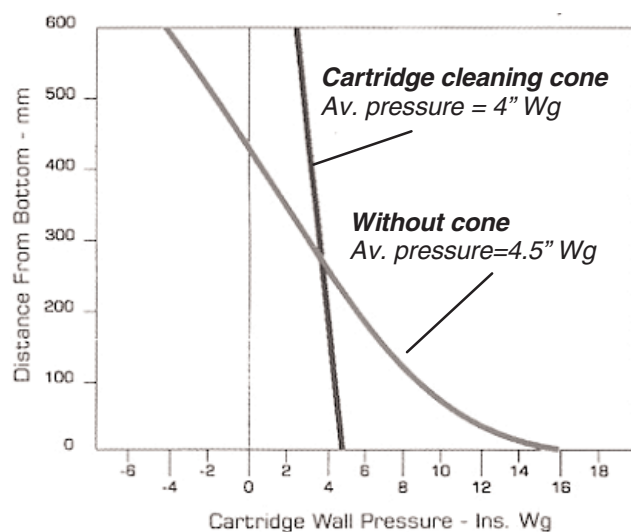
Goyen's Cartridge Cleaning Cone attaches to the Goyen GOCO nozzle system. This product optimises the cleaning pulse in cartridge filter applications by ensuring that the developed pressure in the filter is even along the entire length of the filter element.

Suitable for

Cartridge and pleated filter elements used in reverse pulse jet dust collectors. Suitable for filter elements with internal diameter of 60mm (2.4") or larger. The Cartridge Cleaning Cone may be assembled to any of the Goyen range of GOCO nozzles.

Not intended for use in gas turbine applications.

Performance



As illustrated above for a typical system, the Cartridge Cleaning Cone ensures that the developed overpressure is even along the entire length of the filter element. The average developed pressure is nearly equal to the system without.

Note that in this case, the system without the attachment is unable to overcome the normal filter differential pressure near the top of the filter. Massive over pressure is developed at the bottom of the filter. The effects of this include blinding of significant filter area and damage to the filter membrane - poor filtration performance and reduced filter life.

Graphic shown is for internal Ø 240mm, external Ø 350mm cartridge filter 600mm long operating at a pressure drop of 4" Wg. System pulse pressure is 413kPa (60psi). No venturi used on cartridge element. CC200 used.

Nozzle sizes can be optimised using Goyen's GOCO software. Contact your local Goyen representative.

Installation

When installing into baghouse, the end of the cone should lie between 30 and 80mm (1.13" and 3.14") from the filter opening.



Note the profile of the four legs of the cone



Snap the clip into position over the four legs



Note the profile at the end of the nozzle



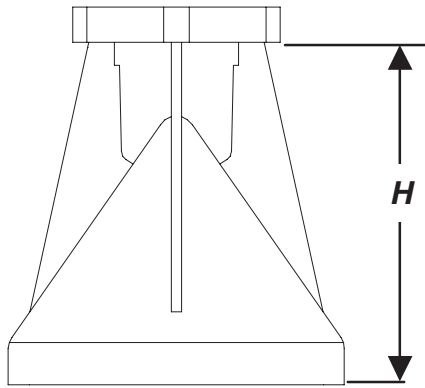
Snap cone assembly into position over the nozzle outlet

Dimensions and Weights

(Dimensions in mm and [inches])

To calculate total assembly height when mounted to a Goco nozzle, add H to the total nozzle length. Refer to relevant nozzle product specification.

	CC100 mm (inches)	CC150 mm (inches)	CC200 mm (inches)
H	33 (1.30)	77 (3.03)	102 (4.02)



Order Code and Characteristics

Order Code	Suitable Filter (internal) mm (inches)	Material (cone and clip)	Unit Mass Kg (lbs)	Temperature Range °C °(F)
CC 100	60 - 100 (2.4 - 3.9)	30% glass filled PA-6	0.03 (0.066)	-40 (-40) to 80 (176)
CC 150	100 - 175 (3.9 - 6.9)	30% glass filled PA-6	0.07 (0.154)	-40 (-40) to 80 (176)
CC 200	Larger than 175 (6.9)	30% glass filled PA-6	0.13 (0.287)	-40 (-40) to 80 (176)

Note that assemblies include cone and clip.

Technical Specification **Bulkhead Connectors**



Description

Goyen produces a range of aluminium diecast bulkhead connectors designed to ease the installation of cleaning systems onto dust collectors. These components eliminate the requirement for welding and allow easy removal of cleaning systems and blowtubes for maintenance purposes.

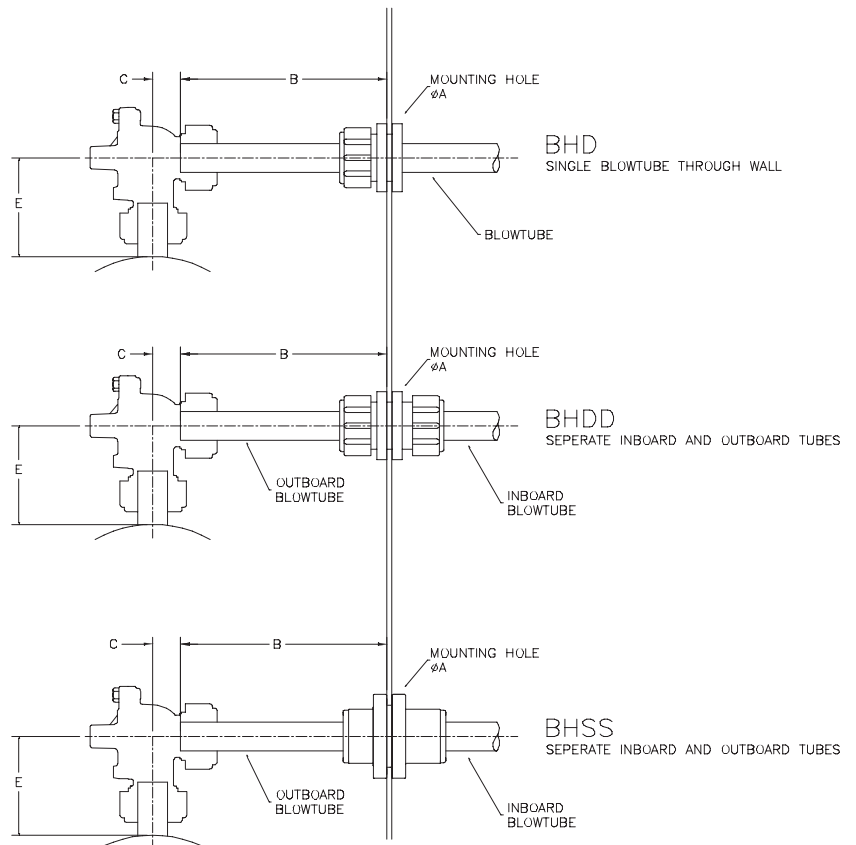
Suitable for

Most reverse pulse jet dust collector installations and their variations including bag filters, cartridge filters, envelope filters, ceramic filters, and sintered metal fibre filters.

Installation

Model	ØA mm (inches)	B mm (inches)
BH20D	45 - 51 (1.75 - 2.0)	97 (3.81)
BH25D	56 - 62 (2.2 - 2.4)	118 (4.63)
BH40D	72 - 78 (2.8 - 3.1)	157 (6.19)
BH20DD	45 - 51 (1.75 - 2.0)	97 (3.81)
BH25DD	56 - 62 (2.2 - 2.4)	118 (4.63)
BH40DD	72 - 78 (2.8 - 3.1)	157 (6.19)
BH25SS	56 - 62 (2.2 - 2.4)	118 (4.63)
BH45SS	72 - 78 (2.8 - 3.1)	157 (6.19)

Mating Valve	C mm (inches)	E mm (inches)
20DD	22 (0.86)	105 (4.13)
25DD	30 (1.18)	121 (4.76)
45DD	40 (1.57)	155 (6.10)
20T	7 (0.28)	NA
25T	5 (0.20)	NA
45T	16 (0.63)	NA
20FS	34 (1.34)	66 (2.60)
25FS	67 (2.63)	82 (3.23)
45FS	88 (3.46)	96 (3.78)

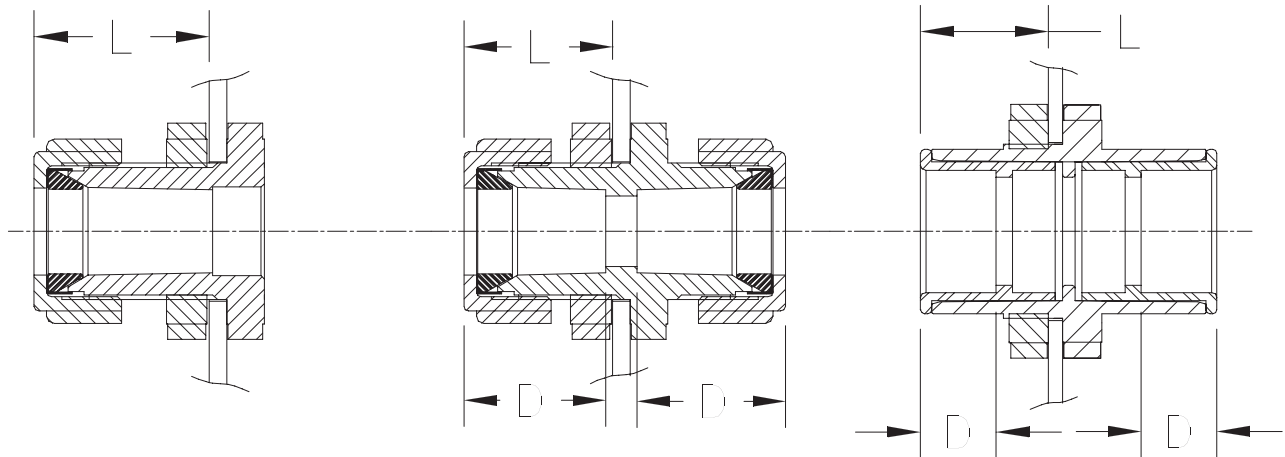


1. Dresser nut and slide seal assemblies are for sealing purposes only and are not intended for valve or blowtube restraint.
2. Blowtubes and valves must be independently restrained.
3. Do not pressurise system until all valves are fully secured.
4. Fully relieve pressure before conducting any work on the cleaning system components.

Dimensions and Weights

(Dimensions in mm and [inches])

Model	L - length mm (inches)	D - insertion depth mm (inches)
BH20D	51 (2.01)	34 (1.34)
BH25D	55 (2.17)	30 (1.18)
BH40D	72 (2.83)	48 (1.89)
BH20DD	52 (2.05)	52 (2.05)
BH25DD	55 (2.17)	58 (2.28)
BH40DD	72 (2.83)	Not Applicable
BH25SS	52 (2.05)	Not Applicable
BH45SS	51 (2.01)	Not Applicable



Order Code and Characteristics

Order Code	Nom. Pipe size mm (inches)	Style	Material	Temperature Range °C (°F)	Unit Mass Kg (lbs)
BH20D	20 (3/4)	Single dresser nut	Diecast aluminium & nitrile	-40 (-40) to 80 (176)	0.27 (0.60)
BH20D-V	20 (3/4)	Single dresser nut	Diecast aluminium & viton	-29(-20.2) to 232(449.6)	0.27 (0.60)
BH25D	25 (1)	Single dresser nut	Diecast aluminium & nitrile	-40 (-40) to 80 (176)	0.40 (0.88)
BH25D-V	25 (1)	Single dresser nut	Diecast aluminium & viton	-29(-20.2) to 232(449.6)	0.40 (0.88)
BH40D	40 (1.5)	Single dresser nut	Diecast aluminium & nitrile	-40 (-40) to 80 (176)	0.76 (1.68)
BH40D-V	40 (1.5)	Single dresser nut	Diecast aluminium & viton	-29(-20.2) to 232(449.6)	0.76 (1.68)
BH20DD	20 (3/4)	Two dresser nuts	Diecast aluminium & nitrile	-40 (-40) to 80 (176)	0.41 (0.90)
BH20DD-V	20 (3/4)	Two dresser nuts	Diecast aluminium & viton	-29(-20.2) to 232(449.6)	0.41 (0.90)
BH25DD	25 (1)	Two dresser nuts	Diecast aluminium & nitrile	-40 (-40) to 80 (176)	0.66 (1.46)
BH25DD-V	25 (1)	Two dresser nuts	Diecast aluminium & viton	-29(-20.2) to 232(449.6)	0.66 (1.46)
BH40DD	40 (1.5)	Two dresser nuts	Diecast aluminium & nitrile	-40 (-40) to 80 (176)	1.16 (2.56)
BH40DD-V	40 (1.5)	Two dresser nuts	Diecast aluminium & viton	-29(-20.2) to 232(449.6)	1.16 (2.56)
BH25SS	25 (1)	Slide seal	Diecast aluminium & EPDM	-40 (-40) to 80 (176)	0.53 (1.17)
BH25SS-V	25 (1)	Slide seal	Diecast aluminium & viton	-29(-20.2) to 232(449.6)	0.53 (1.17)
BHS25SS	25 (1)	Slide seal	316 stainless steel & viton	-29(-20.2) to 232(449.6)	1.5* (3.4)*
BH45SS	40 (1.5)	Slide seal	Diecast aluminium & EPDM	-40 (-40) to 80 (176)	0.85 (1.87)
BH45SS-V	40 (1.5)	Slide seal	Diecast aluminium & viton	-29(-20.2) to 232(449.6)	0.85 (1.87)
BHS45SS	40 (1.5)	Slide seal	316 stainless steel & viton	-29(-20.2) to 232(449.6)	2.5* (5.4)*

* Approximate mass only

Technical Specification

Venturis



5" Venturi



6" Venturi

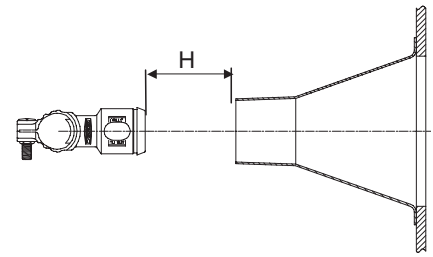
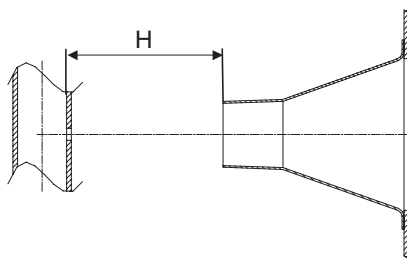
Description

Goyen's range of venturis is ideal for difficult filter cleaning applications where maximum developed over-pressure in the filter with limited air supply are critical issues. These products are designed to be installed above the filter ensuring that the full length of the filter is cleaned and therefore available for the dust collection process. The venturis are available in tall and short formats. Venturis come standard in spun aluminium. Stainless steel is available on request.

Suitable for

5" and 6" diameter bag filters in most reverse pulse jet dust collector installations.

Installation

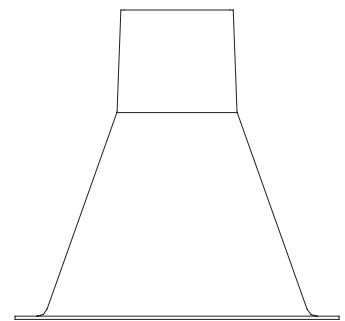
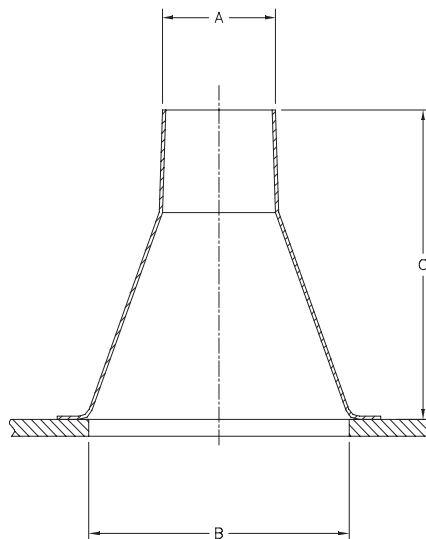


Dimensions and Weights

(Dimensions in mm and [inches])

Setup Height 'H'

Model	No Nozzle mm (inches)	GOCO Nozzle mm (inches)
VC-5	100 (3.93)	70 (2.75)
VC-6	160 (6.29)	15 (0.53)



Order Code and Characteristics

Order Code	Suit Filter (B) mm (inches)	Height (C) mm (inches)	Orifice Size (A) mm (inches)	Material	Temperature Rating °C (°F)	Mass Kg (lbs)
VC-5-S	125 (5)	153 (6.02)	55 (2.17)	Spun Al 1200	-40 (-40) to 400 (752)	0.15 (0.33)
VC-5-L	125 (5)	251 (9.88)	55 (2.17)	Spun Al 1200	-40 (-40) to 400 (752)	0.24 (0.53)
VC-6-S	150 (6)	190 (7.48)	75 (2.95)	Spun Al 1200	-40 (-40) to 400 (752)	0.18 (0.39)
VC-6-L	150 (6)	295 (11.61)	75 (2.95)	Spun Al 1200	-40 (-40) to 400 (752)	0.32 (0.69)

Technical Specification

Bulkhead Seal Cup



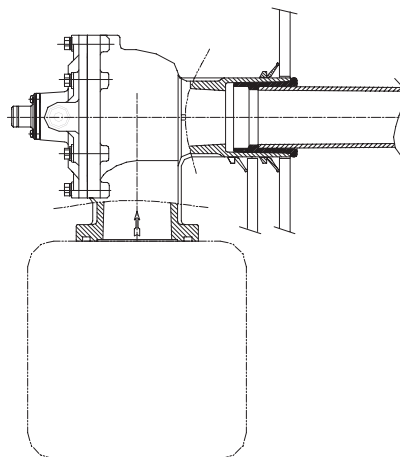
Description

Goyen produces a range of EPDM and viton bulkhead seals designed to ease the installation of cleaning systems onto dust collectors. These components eliminate the requirement for welding and allow easy removal of cleaning systems and blowtubes for maintenance purposes.

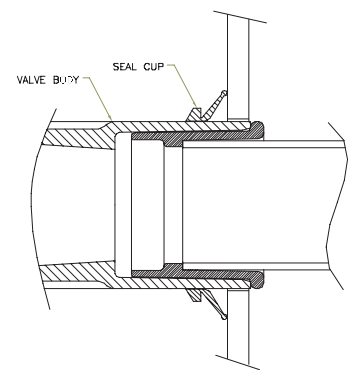
Suitable for

Most reverse pulse jet dust collector installations and their variations including bag filters, cartridge filters, envelope filters, ceramic filters, and sintered metal fibre filters.

Installation



Blowtube to wall seal



Valve to wall seal
Suitable for FS valves only

Order Code and Characteristics

Order Code	Style	Nom. Pipe OD Schedule 40	Material	Temperature Range °C °(F)	Unit Mass Kg (lbs)
690591	Valve to wall seal	¾"	EPDM	-40(-40) to 82(179.6)	0.005
690591-2	Valve to wall seal	¾"	Viton	-29(-20.2) to 232(449.6)	0.005
690125	Valve to wall seal	1"	EPDM	-40(-40) to 82(179.6)	0.015
690125-2	Valve to wall seal	1"	Viton	-29(-20.2) to 232(449.6)	0.015
690093	Valve to wall seal	1 ½"	EPDM	-40(-40) to 82(179.6)	0.025
690093-2	Valve to wall seal	1 ½"	Viton	-29(-20.2) to 232(449.6)	0.025
690593	Tube to wall seal	¾"	EPDM	-40(-40) to 82(179.6)	0.005
690593-2	Tube to wall seal	¾"	Viton	-29(-20.2) to 232(449.6)	0.005
690129	Tube to wall seal	1"	EPDM	-40(-40) to 82(179.6)	0.015
690129-2	Tube to wall seal	1"	Viton	-29(-20.2) to 232(449.6)	0.015
690094	Tube to wall seal	1 ½"	EPDM	-40(-40) to 82(179.6)	0.025
690094-2	Tube to wall seal	1 ½"	Viton	-29(-20.2) to 232(449.6)	0.025



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