



*Cleaning System  
Components*



Stop Guessing. Your competitors already have!

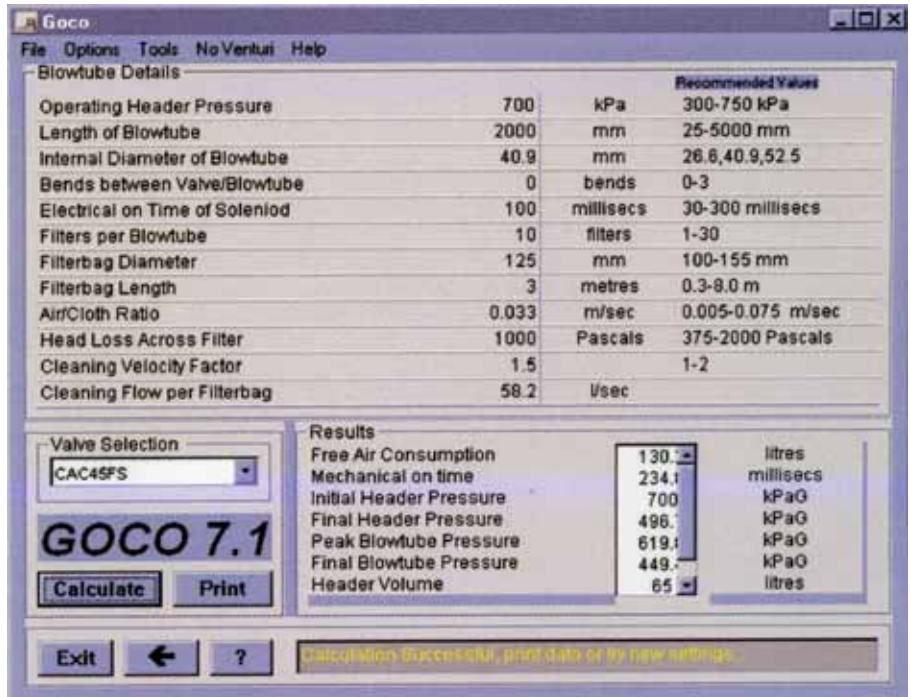
**GOCO Software**

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		GD-CO Training	GOYEN CONTACT		
CONTACT			PROJECT Sample		
PHONE			REFERENCE		
FAX					
Length of Blowtube	2000	mm	Operating Header Pressure	700	kPa
Internal Diameter of Blowtube	40.9	mm	Head Loss Across Filter	1000	Pascals
Bends between Valve/Blowtube	0	bends	Free Air Consumption	130.2	litres
Electrical on Time of Solenoid	100	milliseconds	Mechanical on time	234.8	milliseconds
Filters per Blowtube	10	filters	Initial Header Pressure	700	kPaG
Filterbag Diameter	125	mm	Final Header Pressure	496.7	kPaG
Filterbag Length	3	metres	Peak Blowtube Pressure	619.8	kPaG
Air/Cloth Ratio	0.033	m/sec	Final Blowtube Pressure	449.4	kPaG
Cleaning Velocity Factor	1.5		Header Volume	65	litres
Cleaning Flow per Filterbag	58.2	l/sec			
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	1572.1	
9	546.4	8	62.3	1602.8	
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 (P) October '98, Serial No. 1945453018

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



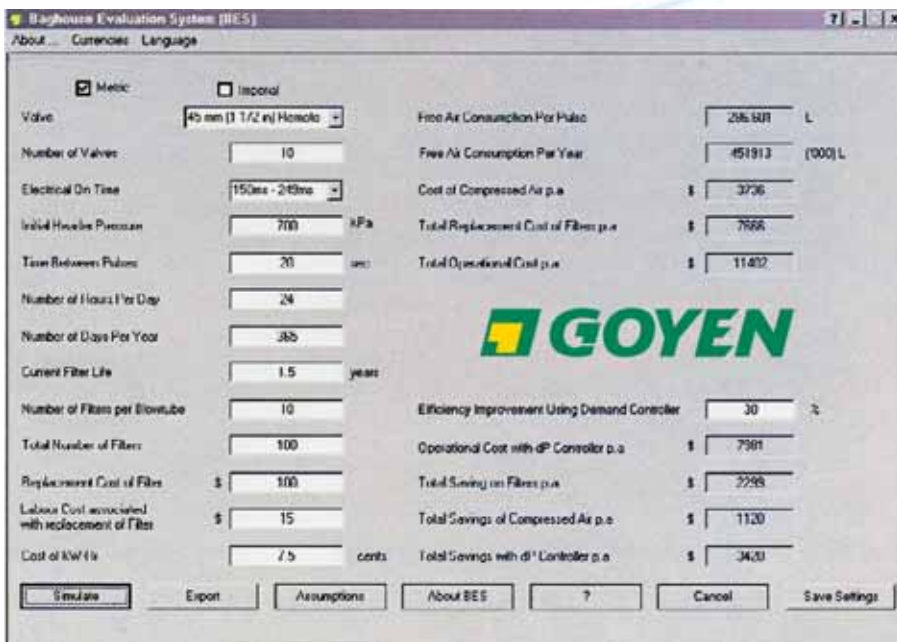
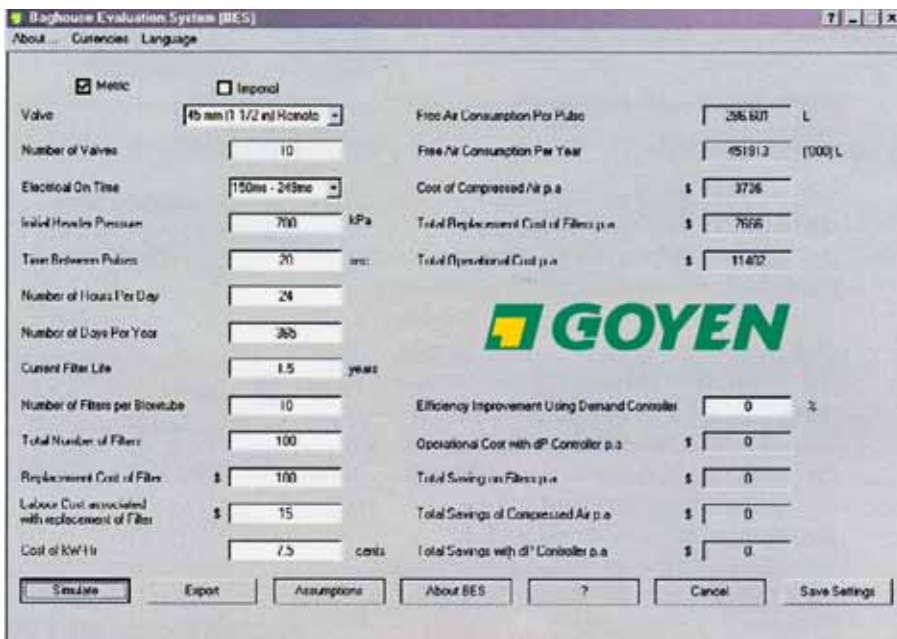
**BES quantifies annual compressed air savings and filter replacement costs within a reverse pulse baghouse**

**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**



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.

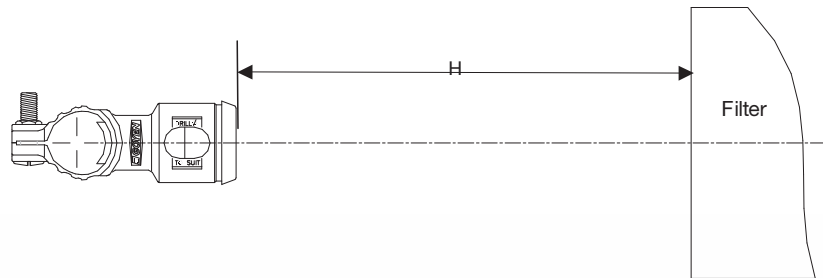
**Suitable for**

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).

**\* Please Note: Not intended for use in Gas Turbine applications**

**Installation**

For best performance,  $H = (\text{Ø Filter} - 48) / 0.353$  (mm) or  $H = (\text{Ø Filter} - 1.88) / 0.353$  (inches). Prepare Ø22mm (Ø0.866") hole in the blowtube for VN-20PC-50 and Prepare Ø26mm (Ø1.023") hole in the blowtube for VN-25PC-50.

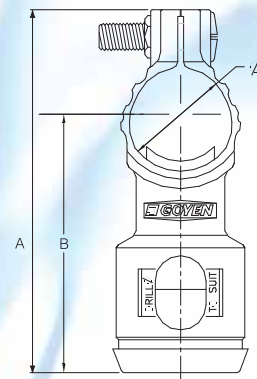
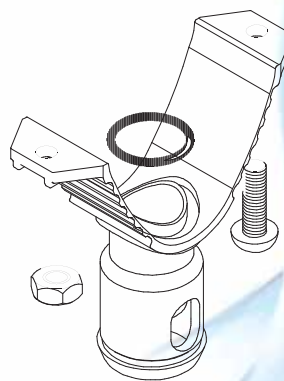


**Dimensions**

(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**

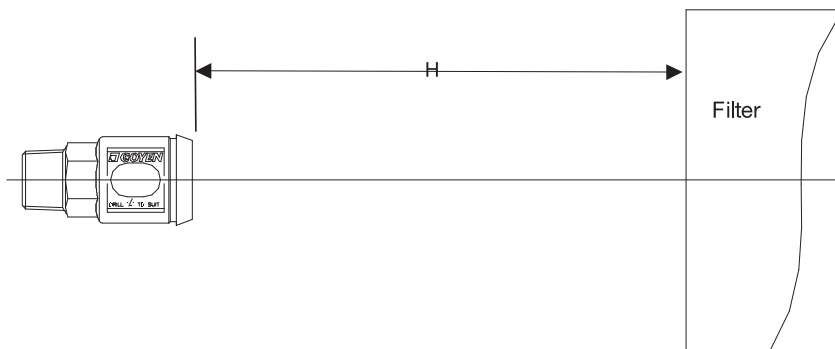
3/4" and 1" pipe diameters in reverse pulse jet filter cleaning applications and its variations including bag filters and cartridge filters.

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.

*\* Please Note: Not intended for use in Gas Turbine applications*

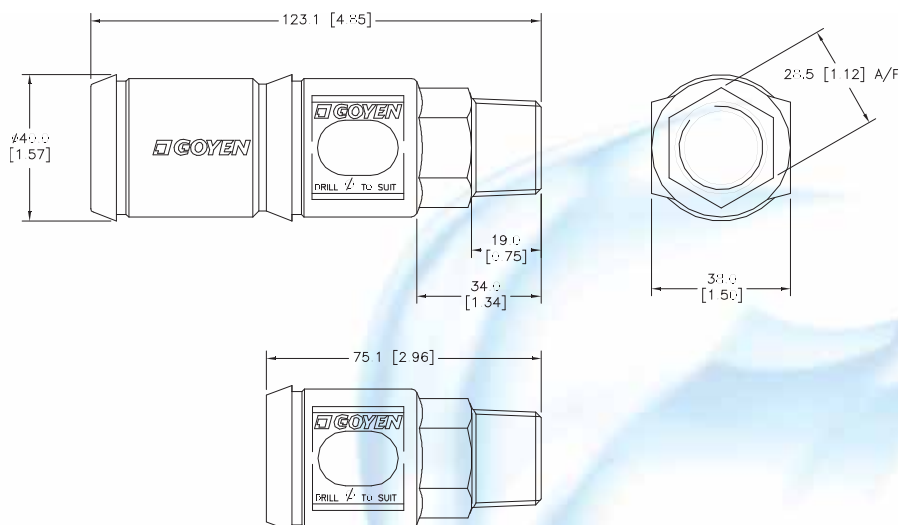
**Installation**

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**

(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 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.

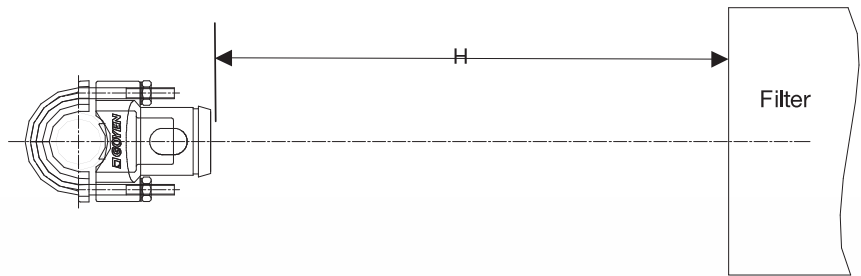
**Suitable for**

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

*\* Please Note: Not intended for use in Gas Turbine applications*

**Installation**

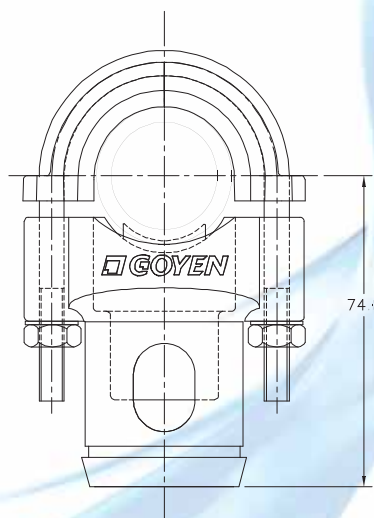
For best performance,  $H = (\text{Ø Filter} - 48) / 0.353$  (mm) or  $H = (\text{Ø Filter} - 1.88) / 0.353$  (inches). Prepare  $\text{Ø}20\text{-}21\text{mm}$  ( $\text{Ø}0.78\text{-}0.83\text{"}$ ) hole in the blowtube for VNA-25C and Prepare  $\text{Ø}27\text{-}28\text{mm}$  ( $\text{Ø}1.06\text{-}1.10\text{"}$ ) hole in the blowtube for VNA-45C.



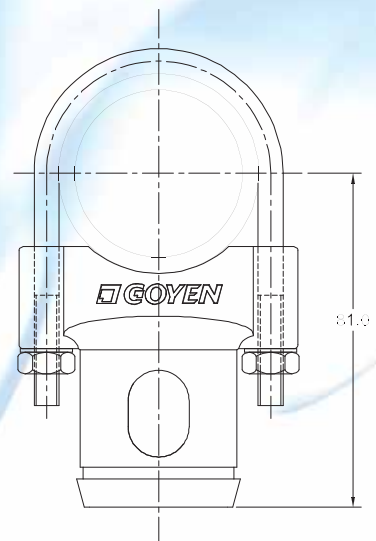
**Dimensions**

(Dimensions in mm and [inches])

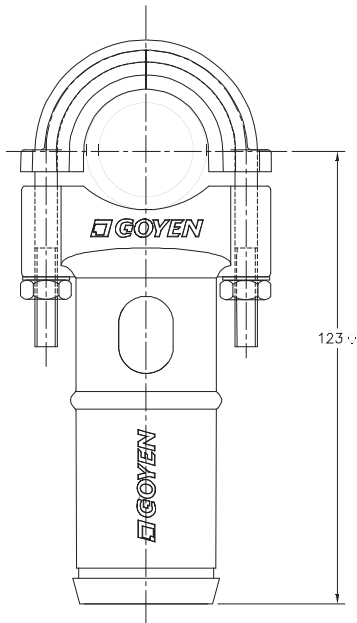
Item	Mass Kg (lbs)	Item	Mass. Kg (lbs)
VNA25C-50	0.175 (0.366)	VNA25C-100	0.220 (0.485)
VNA45C-50	0.160 (0.353)	VNA45C-100	0.205 (0.452)
AL25-B/BD# & AL45-B/BD#	0.055 (0.121)	REG-#	0.020 (0.044)



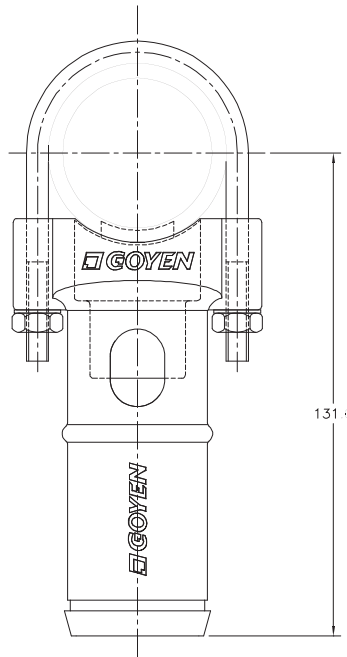
VNA25C-50  
To suit 1" schedule 40 pipe.



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 Ranges °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 18mm)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

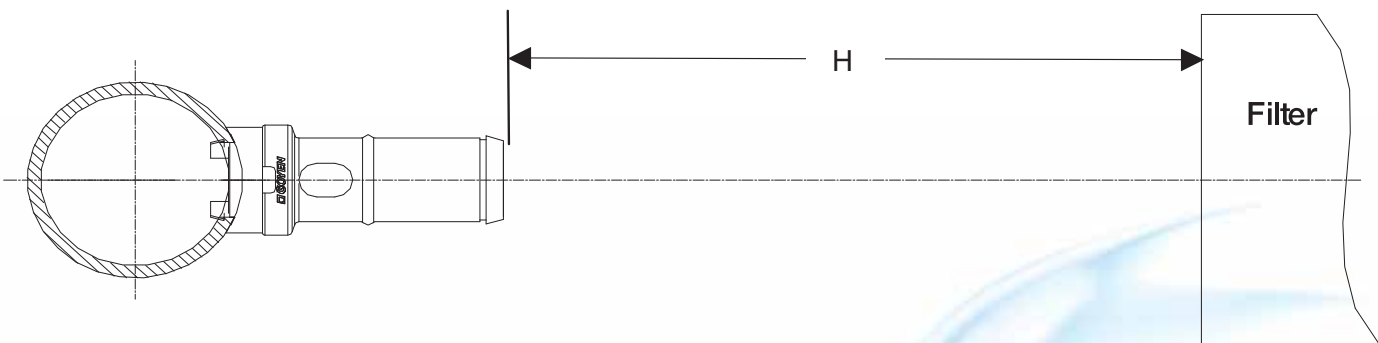
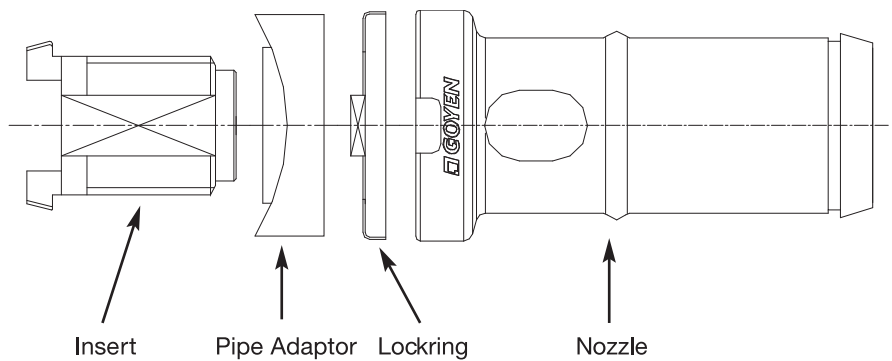
**GOCO Nozzle [Strapless] (2", 2.5", 3" and 4" Pipe)**

**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  $An/A_p$  (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.

**Installation**

For best performance,  $H = (\text{Ø Filter} - 48)/0.353$  (mm) or  $H = (\text{Ø Filter} - 1.88)/0.353$  (inches). Prepare  $\text{Ø}34.1\text{-}34.5\text{mm}$  ( $\text{Ø}1.34\text{-}1.36$ " ) holes in the blowtube.



**Suitable for**

2", 2.5", 3" and 4" 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.

**\* Please Note: Not intended for use in Gas Turbine applications**

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.



**(For detailed installation instructions, refer to DEINC-018 VNA).**

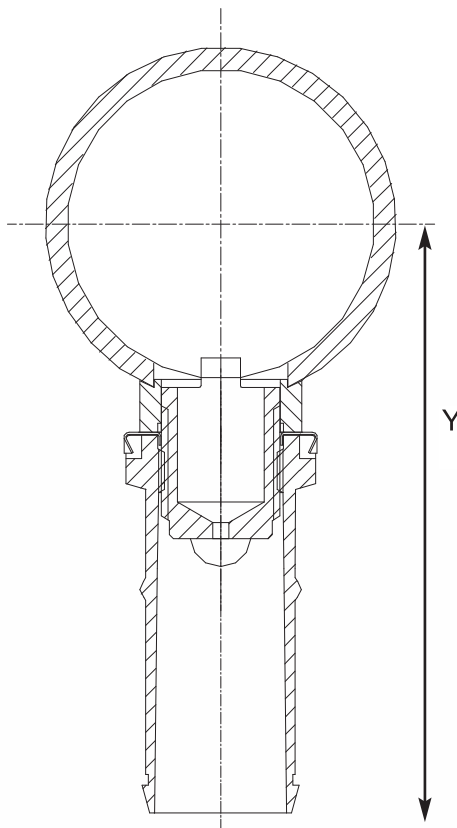
## Dimensions

(Dimensions in mm and [inches])

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 (locking)	-60 (-76) - 400 (752)
VNA62I-50	2.5	Short barrel	Diecast aluminium & galvanised steel (locking)	-60 (-76) - 400 (752)
VNA76I-50	3	Short barrel	Diecast aluminium & galvanised steel (locking)	-60 (-76) - 400 (752)
VNA102I-50	4	Short barrel	Diecast aluminium & galvanised steel (locking)	-60 (-76) - 400 (752)
VNA50I-100	2	Long barrel	Diecast aluminium & galvanised steel (locking)	-60 (-76) - 400 (752)
VNA62I-100	2.5	Long barrel	Diecast aluminium & galvanised steel (locking)	-60 (-76) - 400 (752)
VNA76I-100	3	Long barrel	Diecast aluminium & galvanised steel (locking)	-60 (-76) - 400 (752)
VNA102I-100	4	Long barrel	Diecast aluminium & galvanised steel (locking)	-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



CC 100



CC 150



CC 200

**Description**

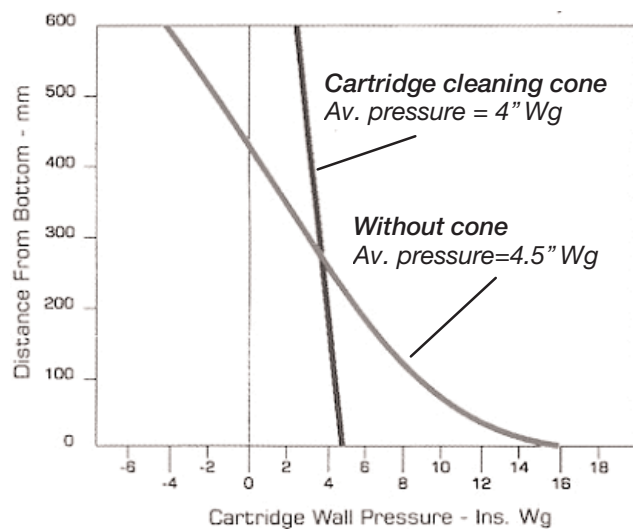
Goyen's Cartridge Cleaning Cone attaches to the Goyen GOCO nozzle system. This product optimises the cleaning pulse in cartridge filter applications by ensuring that the developed pressure in the filter is even along the entire length of the filter element.

**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.

**Note: 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



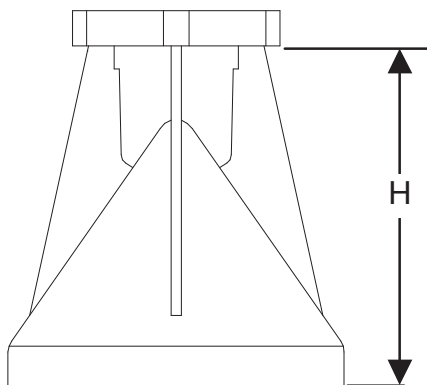
Snap cone assembly into position over the nozzle outlet

## Dimensions

(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) Ø in 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**



BHD



BHDD



BHSS

**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.

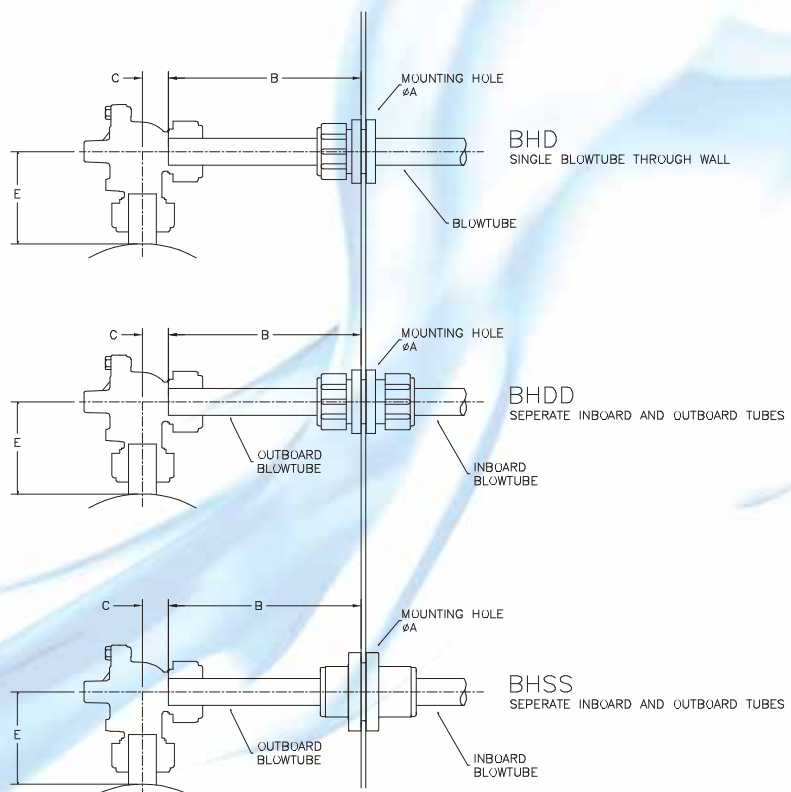
**Suitable for**

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)

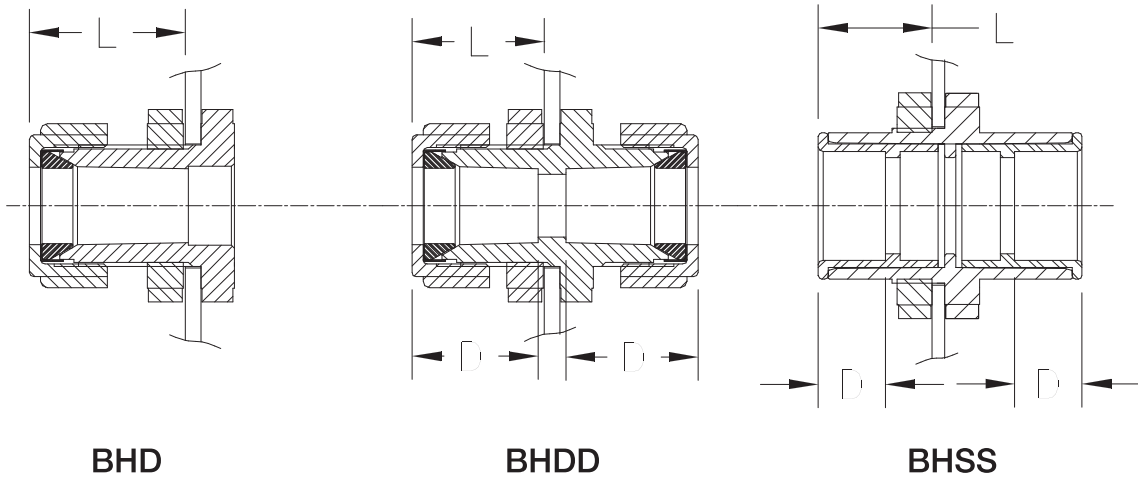


1. Dresser nut and slide seal assemblies are for sealing purposes only and are not intended for valve or blowtube restraint.
2. Blowtubes and valves must be independently restrained.
3. Do not pressurise system until all valves are fully secured.
4. Fully relieve pressure before conducting any work on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

## Dimensions

(Dimensions in mm and [inches])

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



## 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

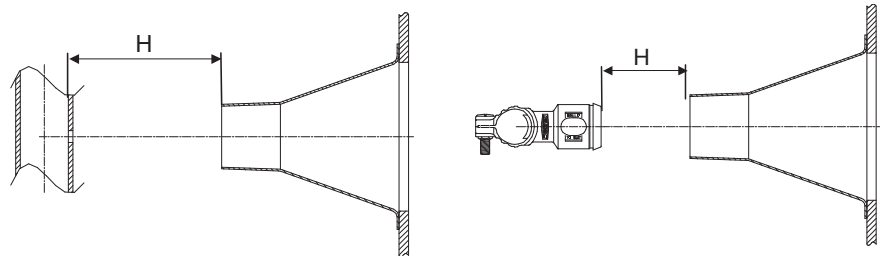
**Description**

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.

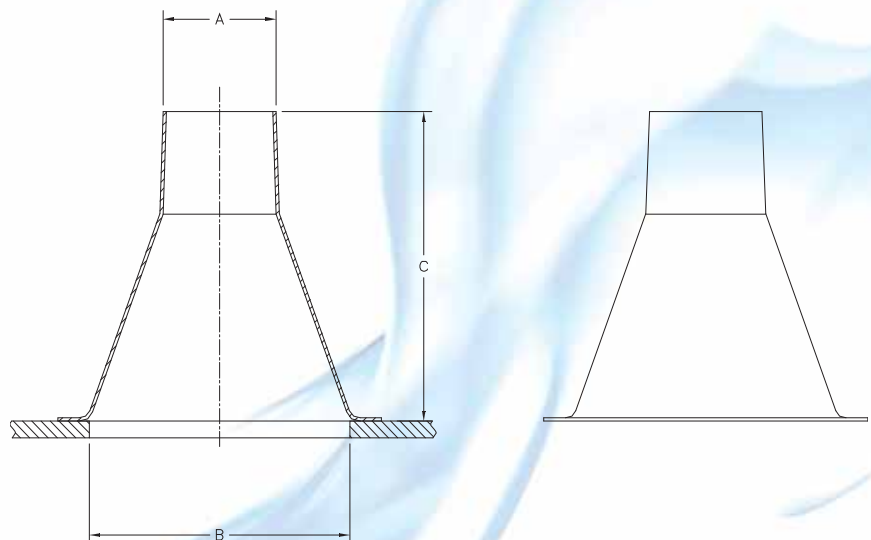
**Installation**



**Dimensions**

(Dimensions in mm and [inches])

Model	Setup Height 'H'	
	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**



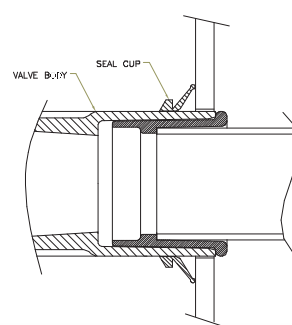
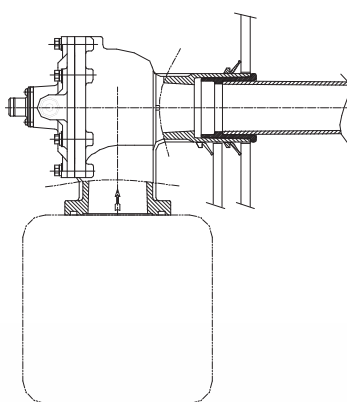
**Description**

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.

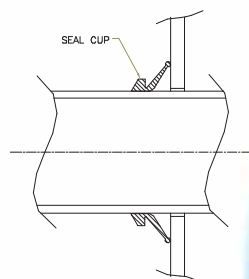
**Suitable for**

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**



Valve to wall seal  
Suitable for FS valves only



Blowtube to wall seal

**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	Blow tube to wall seal	¾"	EPDM	-40(-40) to 82(179.6)	0.005
690593-2	Blowtube to wall seal	¾"	Viton	-29(-20.2) to 232(449.6)	0.005
690129	Blowtube to wall seal	1"	EPDM	-40(-40) to 82(179.6)	0.015
690129-2	Blowtube to wall seal	1"	Viton	-29(-20.2) to 232(449.6)	0.015
690094	Blowtube to wall seal	1 ½"	EPDM	-40(-40) to 82(179.6)	0.025
690094-2	Blowtube to wall seal	1 ½"	Viton	-29(-20.2) to 232(449.6)	0.025

\*Suitable for FS valves only



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