



ADVANCED  
FILTER TECHNOLOGY



DALON WEBSITE



GET IN TOUCH

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# DALON FILTER CATALOGUE SINCE 2002



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[www.hzdalon.com](http://www.hzdalon.com)

## MEDICAL & LAB FILTRATION

Scientific instruments & pharmaceutical filtration by optional backflushing and easy cleaning with super heated steam, chemical solvents, theermail process or ultrasonic.



## WATER FILTRATION

Gas and liquid filtration by selfsupporting structural elements of stability shape for high differential pressures.



## ACOUSTIC PROTECTION

Silencing and protection have particularly good properties when under compression , vibration with high sudden pressures peaks.



## PNEUMATIC VALVES

Valve & sensor protection and muffling to reduce noise and filter exhaust fumes.



## FOOD SHAPING

Handling of bulk material fluidization flow restriction as defined permeability and filtration properties because the pore size and distribution are exact and uniform.



## REFINERY INDUSTRY

Polymer filtration by solutions for high temperature and corrosive environments.



## EX-PROTECTION

Autogenous welding as flame arrestors & explosion protection by high heat resistance and thermal stability.

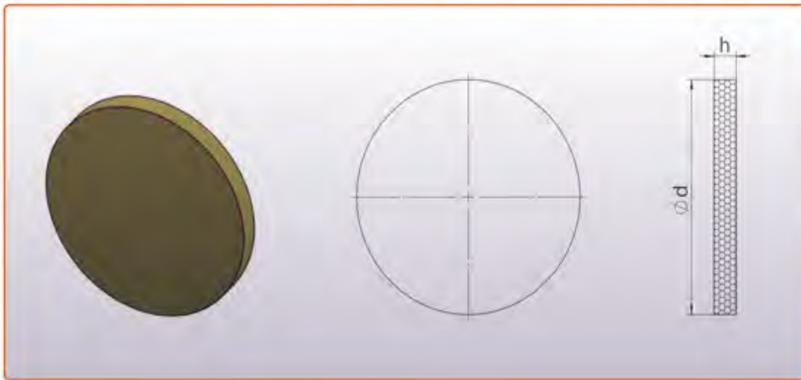


## CATALYST RECOVERY

Various substrates filter catalyst deposited on the surface mixed powder have strong oxidizing ability and antibacterial function.

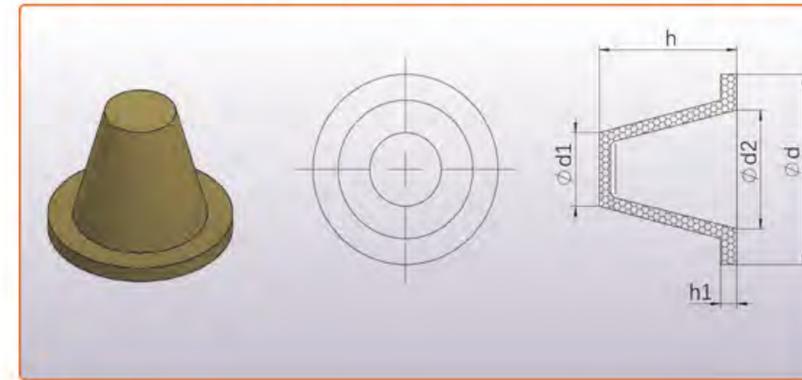


## DALON SBF Discs & Plugs of Sintered Bronze



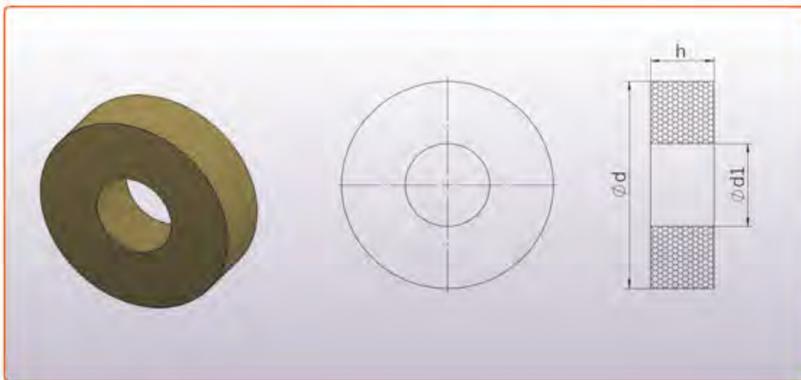
Characteristic	Data Range
$\varnothing d$	1mm ~ 250mm
h	1mm ~ 100mm
Pore Pitch	5 $\mu$ m ~ 150 $\mu$ m
Porosity	35% ~ 45%
Density	4.5 ~ 5.5
Traction	3~6kg/mm <sup>2</sup> (resistance)
Dilatation	17x10 <sup>-6</sup> (coefficient)
Working Temp	200°C -MAX

## DALON SBF Conicals of Sintered Bronze



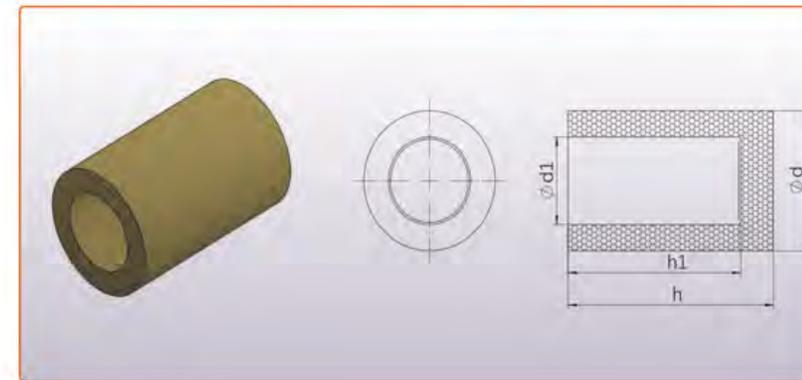
Characteristic	Data Range
$\varnothing d$	4mm ~ 250mm
h	8mm ~ 200mm
Pore Pitch	5 $\mu$ m ~ 150 $\mu$ m
Porosity	35% ~ 45%
Density	4.5 ~ 5.5
Traction	3~6kg/mm <sup>2</sup> (resistance)
Dilatation	17x10 <sup>-6</sup> (coefficient)
Working Temp	200°C -MAX

## DALON SBF Cylinders of Sintered Bronze



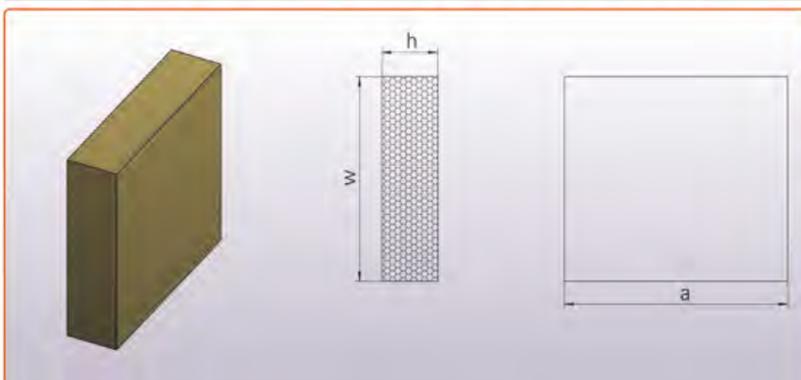
Characteristic	Data Range
$\varnothing d$	4mm ~ 250mm
h	1mm ~ 1500mm
Pore Pitch	5 $\mu$ m ~ 150 $\mu$ m
Porosity	35% ~ 45%
Density	4.5 ~ 5.5
Traction	3~6kg/mm <sup>2</sup> (resistance)
Dilatation	17x10 <sup>-6</sup> (coefficient)
Working Temp	200°C -MAX

## DALON SBF Caps of Sintered Bronze



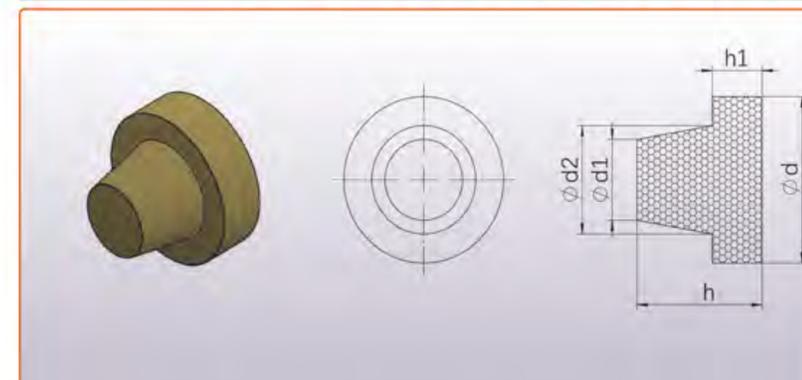
Characteristic	Data Range
$\varnothing d$	4mm ~ 250mm
h	8mm ~ 900mm
Pore Pitch	5 $\mu$ m ~ 150 $\mu$ m
Porosity	35% ~ 45%
Density	4.5 ~ 5.5
Traction	3~6kg/mm <sup>2</sup> (resistance)
Dilatation	17x10 <sup>-6</sup> (coefficient)
Working Temp	200°C -MAX

## DALON SBF Plates of Sintered Bronze



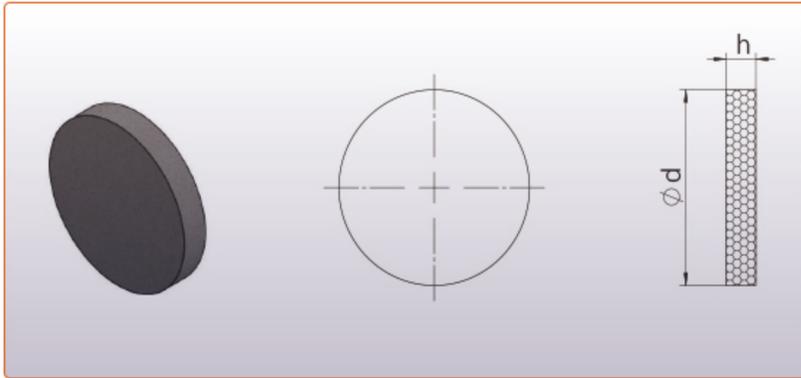
Characteristic	Data Range
w	1mm ~ 250mm
h	1mm ~ 80mm
a	2mm ~ 900mm
Porosity	35% ~ 45%
Density	4.5 ~ 5.5
Traction	3~6kg/mm <sup>2</sup> (resistance)
Dilatation	17x10 <sup>-6</sup> (coefficient)
Working Temp	200°C -MAX

## DALON SBF Cones of Sintered Bronze



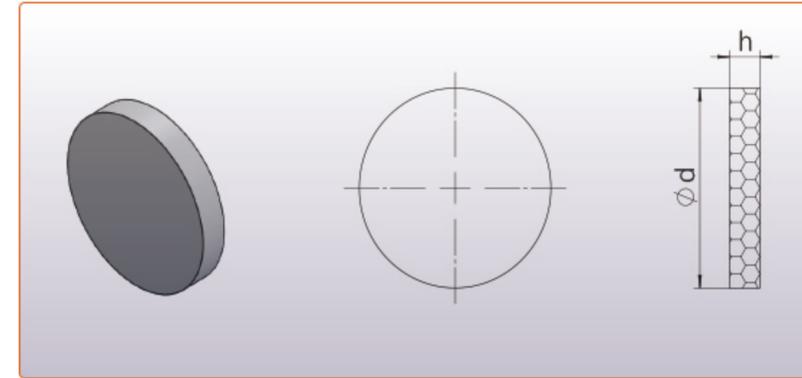
Characteristic	Data Range
$\varnothing d$	2mm ~ 150mm
h	2mm ~ 100mm
Pore Pitch	5 $\mu$ m ~ 150 $\mu$ m
Porosity	35% ~ 45%
Density	4.5 ~ 5.5
Traction	3~6kg/mm <sup>2</sup> (resistance)
Dilatation	17x10 <sup>-6</sup> (coefficient)
Working Temp	200°C -MAX

## DALON SSF Discs of Sintered Stainless Steel



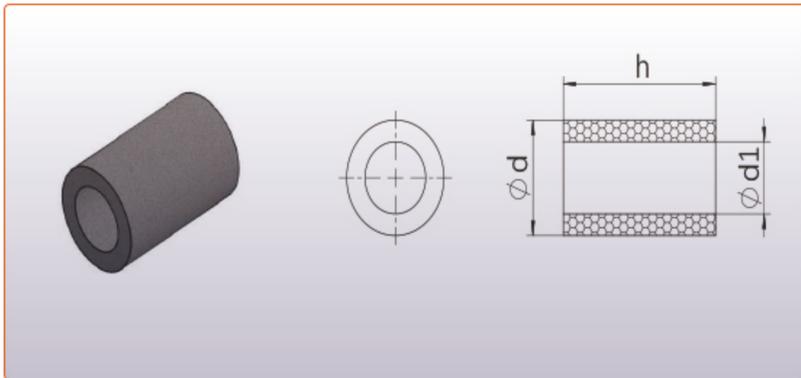
Characteristic	Data Range
$\phi d$	2mm ~ 250mm
h	1mm ~ 50mm
Pore Pitch	5 $\mu$ m ~ 100 $\mu$ m
Porosity	20% ~ 45%
Working Temp	400°C -MAX

## DALON SPF Discs of Sintered Plastic



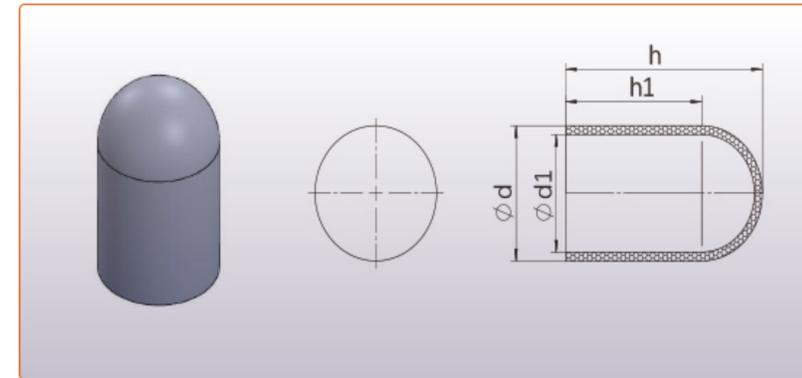
Characteristic	Data Range
$\phi d$	2mm ~ 500mm
h	1mm ~ 100mm
Pore Pitch	0.5 $\mu$ m ~ 80 $\mu$ m
Porosity	35% ~ 45%
Density	0.6 ~ 0.7
Working Temp	80°C -MAX

## DALON SSF Cylinders of Sintered Stainless Steel



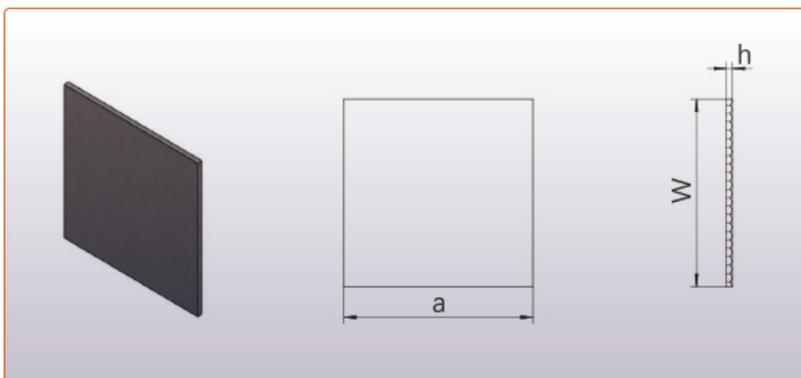
Characteristic	Data Range
$\phi d$	4mm ~ 250mm
h	2mm ~ 1000mm
Pore Pitch	5 $\mu$ m ~ 100 $\mu$ m
Porosity	20% ~ 45%
Working Temp	400°C -MAX

## DALON SPF Caps of Sintered Plastic



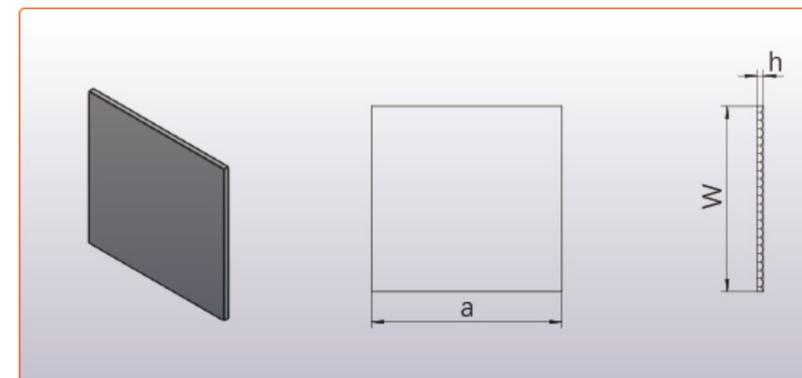
Characteristic	Data Range
$\phi d$	4mm ~ 300mm
h	5mm ~ 500mm
Pore Pitch	0.5 $\mu$ m ~ 80 $\mu$ m
Porosity	35% ~ 45%
Density	0.6 ~ 0.7
Working Temp	80°C -MAX

## DALON SSF Plates of Sintered Stainless Steel



Characteristic	Data Range
w	1mm ~ 250mm
h	1mm ~ 50mm
a	2mm ~ 500mm
Porosity	20% ~ 45%
Pore Pitch	5 $\mu$ m ~ 100 $\mu$ m
Working Temp	400°C -MAX

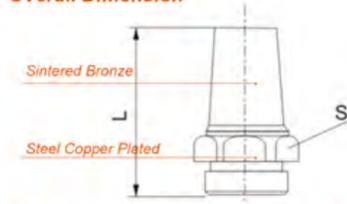
## DALON SPF Plates of Sintered Plastic



Characteristic	Data Range
w	1mm ~ 500mm
h	1mm ~ 50mm
a	1mm ~ 500mm
Pore Pitch	0.5 $\mu$ m ~ 80 $\mu$ m
Density	0.6 ~ 0.7
Working Temp	80°C -MAX

# SEB

## Overall Dimension



Model	L	S
1/8" BSP	20.5	12
1/4" BSP	26.5	15
3/8" BSP	33.9	19
1/2" BSP	40.5	23
3/4" BSP	51.5	30
1" BSP	66.0	36
M5	17.0	07



# SC

## Overall Dimension

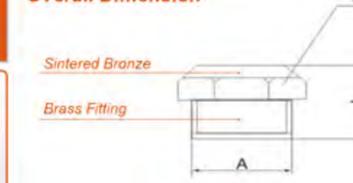


Model	L	D
1/8" BSP	21.0	12
1/4" BSP	25.0	15
3/8" BSP	36.0	19
1/2" BSP	43.0	23
3/4" BSP	53.0	29
1" BSP	63.0	36
M5	13.0	06



# VA

## Overall Dimension

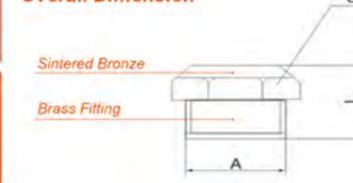


Model	L	S
1/8" BSP	9.5	13
1/4" BSP	11.0	16
3/8" BSP	12.5	19
1/2" BSP	13.5	24
3/4" BSP	17.0	30
1" BSP	20.5	36
M5	7.5	08



# VB

## Overall Dimension

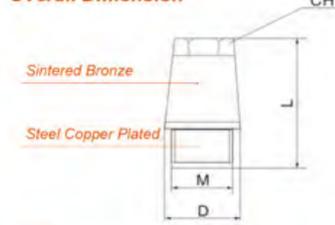


Model	L	S
1/8" BSP	11.0	12
1/4" BSP	12.5	15
3/8" BSP	15.0	18
1/2" BSP	16.0	21
3/4" BSP	18.0	27
1" BSP	20.0	34
M5	9.0	08



# SET

## Overall Dimension

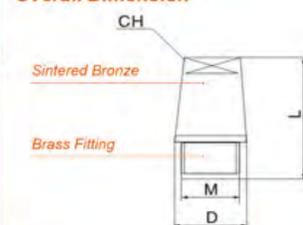


Model	L	D	CH
1/8" BSP	17.5	12	07
1/4" BSP	24.0	15	10
3/8" BSP	31.0	19	13
1/2" BSP	37.0	23	14
3/4" BSP	50.0	30	19
1" BSP	62.0	37	24
M5	20.0	09	08



# SCQ

## Overall Dimension



Model	L	D	CH
1/8" BSP	21.0	12	07
1/4" BSP	25.0	15	08
3/8" BSP	38.0	19	10
1/2" BSP	43.0	23	14
3/4" BSP	53.0	29	17
1" BSP	63.0	36	23



# SMT

## Overall Dimension

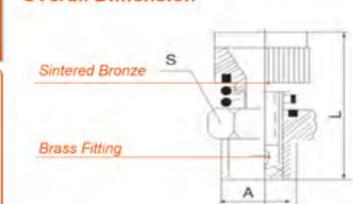


Model	L	S
1/8" BSP	15.0	12
1/4" BSP	16.0	15
3/8" BSP	20.0	18
1/2" BSP	21.0	21
3/4" BSP	24.0	27
1" BSP	27.0	34



# SD

## Overall Dimension

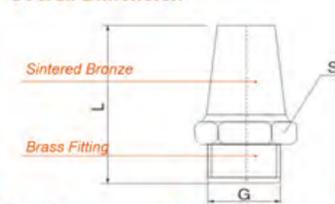


Model	L	S
1/8" BSP	15.0	12
1/4" BSP	16.0	15
3/8" BSP	20.0	18
1/2" BSP	21.0	21
3/4" BSP	24.0	27
1" BSP	27.0	34



# A

## Overall Dimension

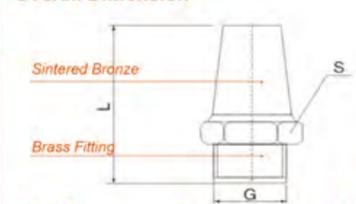


Model	L	S
1/8" BSP	24.0	13
1/4" BSP	33.0	17
3/8" BSP	44.0	22
1/2" BSP	49.0	24
3/4" BSP	57.0	30
1" BSP	72.0	36
1 1/4" BSP	77.0	46
1 1/2" BSP	83.0	52
2" BSP	105.0	64
M5	17.0	08



# B

## Overall Dimension

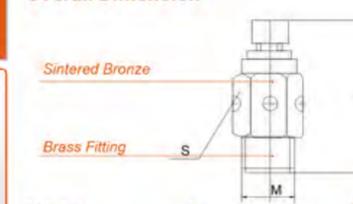


Model	L	S
1/8" BSP	23.0	12
1/4" BSP	27.0	15
3/8" BSP	36.0	18
1/2" BSP	40.0	21
3/4" BSP	48.0	27
1" BSP	62.0	34
1 1/4" BSP	83.0	46
1 1/2" BSP	92.0	53
2" BSP	108.0	64
M5	19.0	08



# C

## Overall Dimension

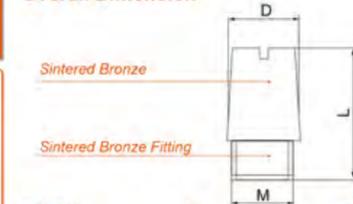


Model	L	S
1/8" BSP	35.0	12
1/4" BSP	38.0	15
3/8" BSP	38.0	17
1/2" BSP	42.0	21
3/4" BSP	47.0	27
1" BSP	58.0	34



# D

## Overall Dimension

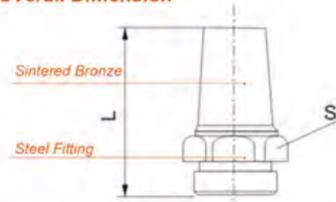


Model	L	D
1/8" BSP	22.0	11
1/4" BSP	25.0	13
3/8" BSP	36.5	19
1/2" BSP	43.5	23
3/4" BSP	52.0	27
1" BSP	56.0	34



# SBE

## Overall Dimension

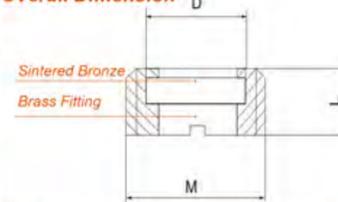


Model	L	S
1/8" BSP	22.0	11
1/4" BSP	35.0	14
3/8" BSP	38.0	17
1/2" BSP	47.0	22
3/4" BSP	57.0	27
1" BSP	73.0	34
1 1/4" BSP	83.0	43
1 1/2" BSP	93.0	51



# SP

## Overall Dimension



Model	L	D
1/8" BSP	5.0	06
1/4" BSP	6.0	08
3/8" BSP	7.0	10
1/2" BSP	8.0	15
3/4" BSP	9.0	20
1" BSP	10.0	26



# SSA

## Overall Dimension

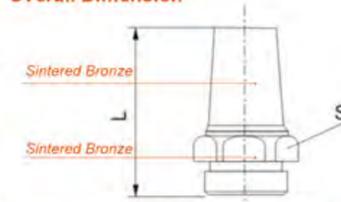


Model	L	S
1/8" BSP	28.0	12
1/4" BSP	33.0	15
3/8" BSP	38.0	19
1/2" BSP	45.0	23
3/4" BSP	55.0	30
1" BSP	68.0	36



# E

## Overall Dimension

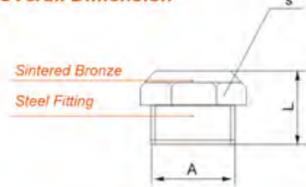


Model	L	S
1/8" BSP	29.0	13
1/4" BSP	34.0	17
3/8" BSP	37.0	22
1/2" BSP	44.0	27
3/4" BSP	53.0	32
1" BSP	65.0	41



# SBM

## Overall Dimension



Model	L	S
1/8" BSP	11.0	11
1/4" BSP	16.0	14
3/8" BSP	19.0	17
1/2" BSP	22.0	22
3/4" BSP	25.0	27
1" BSP	33.0	33



# SDV

## Overall Dimension

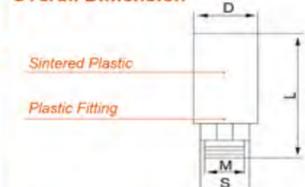


Model	L	S
1/8" BSP	15.0	13
1/4" BSP	20.0	16
3/8" BSP	20.0	19
1/2" BSP	22.0	24
3/4" BSP	24.0	30
1" BSP	27.0	36



# PSU

## Overall Dimension

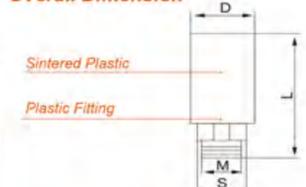


Model	L	D
1/8" BSP	37.5	15
1/4" BSP	64.0	21
3/8" BSP	25.0	83
1/2" BSP	93.0	30
3/4" BSP	102	44.5
1" BSP	102	44.5



# PSE

## Overall Dimension

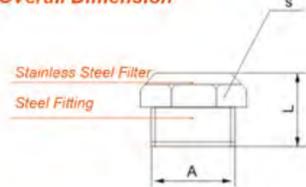


Model	L	D
1/8" BSP	32.5	13
1/4" BSP	39.0	17
3/8" BSP	62.0	25
1/2" BSP	66.0	25
3/4" BSP	135.0	39
1" BSP	135.0	50
M5 BSP	25	6.8



# SSM

## Overall Dimension

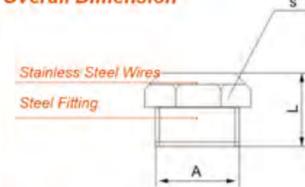


Model	L	S
1/8" BSP	13.0	12
1/4" BSP	16.0	15
3/8" BSP	19.0	19
1/2" BSP	20.0	23
3/4" BSP	22.0	30
1" BSP	25.0	36



# SVA

## Overall Dimension

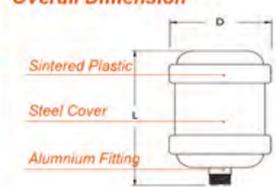


Model	L	S
1/8" BSP	9.5	12
1/4" BSP	11.0	15
3/8" BSP	12.5	19
1/2" BSP	13.5	23
3/4" BSP	17.0	30
1" BSP	20.5	36



# SAE

## Overall Dimension

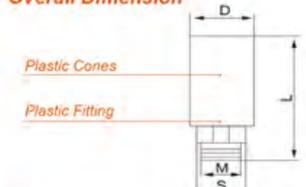


Model	L	D
1/8" BSP	76	47
1/4" BSP	101	47
3/8" BSP	120	66
1/2" BSP	139	82
3/4" BSP	171	45
1" BSP	203	98



# SU

## Overall Dimension



Model	L	D
1/8" BSP	33.0	16
1/4" BSP	43.0	20
3/8" BSP	56.0	24
1/2" BSP	56.0	24
3/4" BSP	112.0	48
1" BSP	112.0	48





**DALON** manufacturer of porous filter elements since 2002, offers a variety of solutions to meet our customer requirements. Our sintered filters are applied in sparging, sensor protection, gas and liquid filtration, dampening, bulk handling and etc. which for solution of corrosive and high temperature environments.

All sintered materials of filter elements offer a self-supporting structure with high mechanical strength. **DALON** manufacture various filter grades with specified pore sizes and flow rates in order to have the appropriate solution for your requirements. The pores are mechanically fixed with respect to both size and position after the sintering process.

- Shape as self-supporting structural suited for high different pressures.
- Particularly good properties when under compression.
- High heat resistance and thermal stability.
- Defined permeability and filtration properties are exact and uniform.
- Backflushing and easy cleaning.



## ADVANCED FILTER TECHNOLOGY

