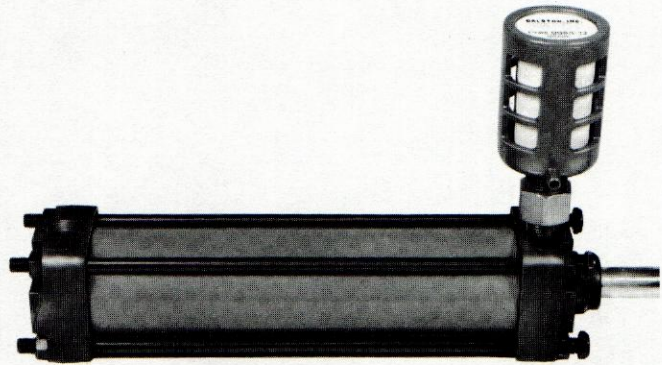


# Balston® Disposable Filter/Silencers

- Remove all visible oil mist from exhaust air
- Exceptionally efficient silencers for air exhausts
- Available for exhaust ports from 1/8" to 3/4"



Balston Type 9955-12-DX mounted on an air cylinder silencing and filtering oil from the exhaust

## Product Description

Balston Filter/Silencers for air exhausts offer the combination of unusually effective sound attenuation, plus filtration of all visible oil mist from the exhaust air.

In port sizes of 1/8", 1/4", 1/2", and 3/4" the Filter/Silencers are constructed of a Grade DX Microfibre Filter Tube sealed into a molded nylon or steel holder.

## Advantages

Balston Filter/Silencers are remarkably efficient sound mufflers, far more efficient than the felts, pleated paper, sintered plastic, and sintered metal products commonly used in exhaust silencers. A sound attenuation efficiency test comparing a Balston 9955-12-DX 1/2" Filter/Silencer with a sintered polyethylene silencer is described below. A test of the Type 18/18-DX on a 3/4" air line gave the following results:

Sound level 3 feet from 3/4" air line discharging air at 100 psig atmosphere:

Without silencer	113 dBA
With Type 18/18-DX	94 dBA

## Test Procedure

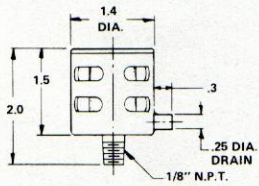
The silencing efficiency test simulates the action of an air cylinder discharging rapidly to atmosphere. A length of 1/2" line between two ball valves is pressurized with air to a controlled pressure. The upstream valve is closed and then the downstream valve is opened rapidly to discharge the fixed volume of air under pressure to atmosphere. Noise levels were measured at a 3 foot distance with no silencer on the end of the line, with the Balston Filter/Silencer, and with competitive silencers.

### Silencer Test Results

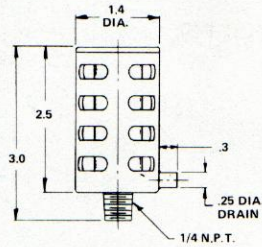
Upstream Pressure (psig)	Noise Level (dBA)		
	Without Silencer	With Balston Silencer	With Sintered Polyethylene Silencer
100	102	70	88
80	102	70	88
60	101	69	87
40	99	67	87
20	95	65	81

# Microfibre® Disposable Filter/Silencers

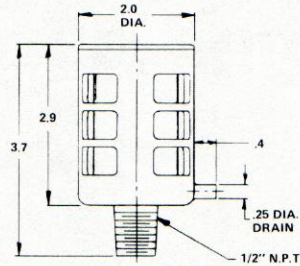
## Specifications of Balston Filter/Silencers



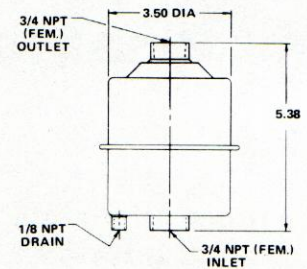
9955-05-DX



9955-11-DX



9955-12-DX



18/18-DX

## Principal Specifications

Filter Housing Type	Inlet Port (NPT)	Drain Port	Materials of Construction		Maximum Internal Pressure at 110°F (psig)	Maximum Temp. at 0 psig Internal Pressure (°F)
			Filter Tube	Holder		
9955-05-DX	1/8" Male	1/4" OD Tubing	Borosilicate glass microfibers with fluorocarbon resin binder	Nylon	100	260
9955-11-DX	1/4" Male					
9955-12-DX	1/2" Male					
18/18-DX	3/4" Female	1/8" NPT Fem.		Steel	100 (1)	300

Note: (1) With outlet open to atmosphere. Otherwise, maximum internal pressure 15 psig

## Flow Rates

Filter Housing Type	Flow Rate from Pressured Line through Filter to Atmosphere (std. cu. ft. per min.)		
	100 psig Line Pressure	60 psig Line Pressure	20 psig Line Pressure
9955-05-DX	26	17	8
9955-11-DX	104	68	31
9955-12-DX	415	271	126
18/18-DX	934	609	283

## Ordering Information

For assistance, call 800-343-4048

9955-05-DX, 9955-11-DX, 9955-12-DX

Standard Pack 10 Filter/Silencers per box, individually wrapped

18/18-DX

One Type 18/18-DX per box

**BALSTON**<sup>®</sup>  
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