

PDS Pneumatic delay unit

General

The PDS pneumatic delay unit is used to delay the activation of a pneumatically activated system.

The delay time can be adjusted by replacing the orifice, which is placed between the valve and the cylinder adapter.

To replace the orifice the valve is unscrewed from the cylinder adapter, the orifice is unscrewed and the new orifice fitted, where after the valve has to be fitted to the cylinder again. Delay time **MUST** be verified after replacing the orifice.

It is important to add 50% of the cylinder volume to the pipe/actuator capacity when dimensioning the required volume of the PDS system. The calculation method is given on the PDS activation system datasheet.

Outlet

Type: $\varnothing 6$ mm pipe, female $\frac{1}{4}$ " (adapter removed)

Material

Brass CuZn39Pb3, Viton (FPM), Steel

Specifications

Max pressure: 160 bar

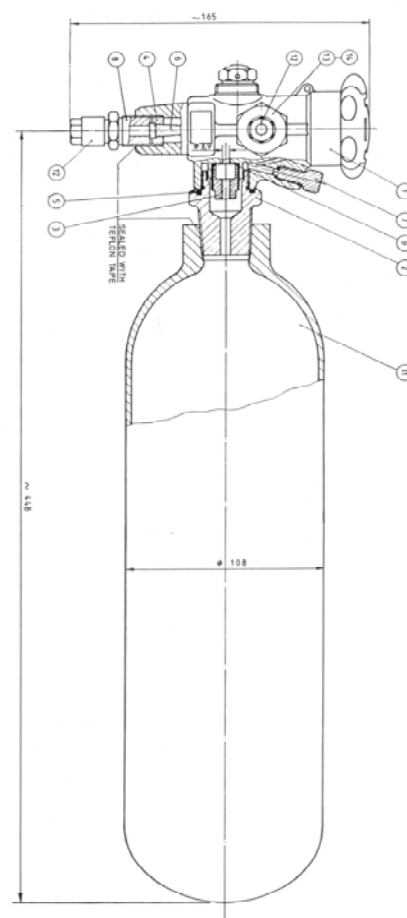
Cyl. capacity: 2 l

Opening pres: 45% of applied pressure

Dimensions

HxW: 490 x 165 mm

Cylinder: $\varnothing 102$ mm



Orifice guide

The orifice may be changed for other delay times, below table is only a guide and the actual delay time must be verified before installation.

Orifice	Delay (must be tested)
30	65 sec
35	50 sec
40	40 sec
45	35 sec
50	23 sec (standard fitted from Fire Eater if no specification is given)
70	12 sec

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Text

Product:

Mech Components

Id: **MK**

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