

AIS-Extinguishing Bottle Type 3" 5 l

Dimensions

assembly height 511 mm
excl. accessories
bottle diameter 140 mm
connecting flange diameter 205 mm

Technical Data

bottle volume 5 l
total weight approx. 34 kg
empty weight approx. 30 kg
filling material 4 kg POWDEX
(hydrophobic sodium carbonate)
operating pressure 60 bar
test pressure 160 bar
discharge nozzle 3"
triggering system: mechanical flap valve,
triggered by 2 pressure gas generators
assembly direction vertically standing,
horizontal discharge via 90° elbow
(e.g. filter), vertical discharge
(e.g. pipeline), max. angle 40°
from vertical

Materials

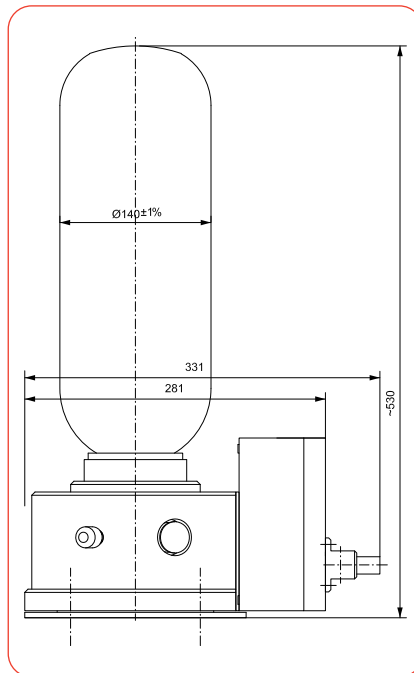
bottle ST 37 steel, painted red (RAL 3000)
valve ST 35.3 steel, achromatised black
flap valve W1.4301 stainless steel
connecting box aluminium GD AL Si 12,
powder coated red RAL 3000

Electrical Equipment

DMM Module
supply voltage max. 28 VDC
input power 2.5 mA
ignition voltage 6.5 V
ignition capacity 2x 2 470 µF
ignition current 2 A
ignition current after 1 ms 1 A
outside effective capacity 120 nF
securing max. voltage 17 VDC

Gas Generators

2 gas generators type GSG 2
charge 0.64 gr. / each
bridge resistor 2.5 + 0.35 Ω
all-fire current 800 mA
no-fire current 200 mA
test current 40 mA
recommended ignition current 1.5 A
allow. operating temperatures
-35 °C–+40 °C
live expectancy at a function
reliability of 99.9% 10 years



Pressure Switch

for monitoring of the propellant pressure
switch point 45 bar

Limit Switches

2 limit switches for monitoring of the
locking device feedback signals in ARMED
and LOCKED position

Connecting Box

Degree of protection IP 54

Connection Plug

4- pole +ground, degree of
protection IP 56

Marking as per

EC-Guideline 94/9/EG II 3 D T6