

# AIS-Extinguishing Bottle Type 3" 45 l

## Dimensions

assembly height 1460 mm  
excl. accessories  
bottle diameter 210 mm  
connecting flange diameter 205 mm

## Technical Data

bottle volume 45 l  
total weight approx. 115 kg  
empty weight approx. 79 kg  
filling material 36 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

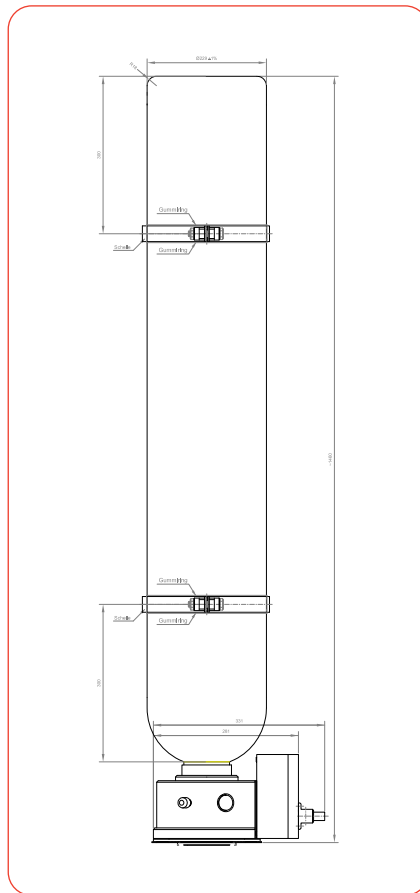
bottle ST 37 steel, painted red (RAL 3000)  
valve ST 35.3 steel, achromatised black  
flap valve W1.4301 stainless steel  
connecting box aluminium GD AL Si 12,  
powder coated red RAL 3000

## 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