

STANDARD REQUIREMENTS

THE STANDARDS

STANDARD SYSTEM

FIXED FIREFIGHTING SYSTEM – GAS EXTINGUISHING SYSTEM EN 15004 (1-10)

DESIGN QUANTITY
BY VOLUME %

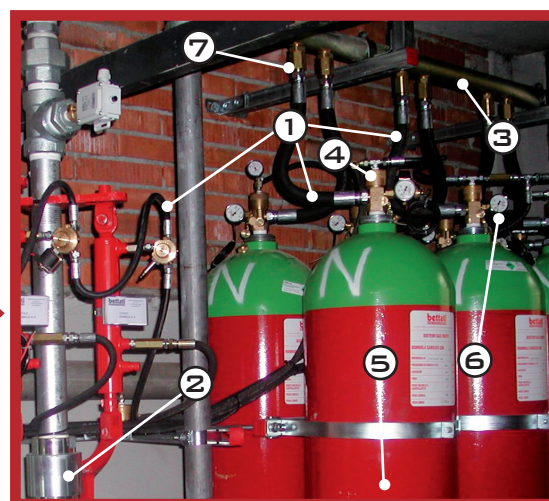
INERT GAS INERT GAS DESIGN QUANTITY %				
FUEL	IG01	IG55	IG100	IG541
CLASS A	41,9	40,3	40,3	39,9
HIGER HAZARD CLASS A	48,4	45,1	41,5	45,7
CLASS B	51,0	47,5	43,7	48,1

STANDARD COMPONENTS

CE MARKING OF COMPONENTS EN 12094 (1-16)



- ① - EN 12094-8 CONNECTORS (DISCHARGE AND PNEUMATIC HOSE)
- ② - EN 12094-5 SELECTOR VALVES FOR HIGH PRESSURE AND THEIR ACTUATORS
- ③ - PED 97/23/CE DISCHARGE MANIFOLD
- ④ - EN 12094-4 CONTAINER VALVE AND ACTUATOR



- ⑤ - T-PED 99/36/CE CYLINDER
- ⑥ - EN 12094-10 PRESSURE GAUGES AND PRESSURE SWITCHES
- ⑦ - EN 12094-13 CHECK VALVES AND NON-RETURN VALVES

STANDARD MAINTENANCE

UNI 11280
PRELIMINARY INSPECTION AND MAINTENANCE OF THE GASEOUS FIRE EXTINGUISHING SYSTEM. THIS STANDARD IS MORE STRINGENT COMPARED TO THE UNI EN 15004:2008-1 AND ISO 14520:2006:1)

AT LEAST EVERY 12 MONTHS CARRY OUT A CHECK OF ENCLOSURE INTEGRITY USING THE MACHINE DOOR FAN INTEGRITY TEST



INERT GAS SYSTEMS



IG55

IG01

IG100

IG541

ADVANTAGES

THE MOST COST EFFECTIVE.
NO ENVIRONMENTAL IMPACT.

- NO ENVIRONMENTAL IMPACT
- LOW COST EXTINGUISHING AGENT
- NO FOG AFTER DISCHARGE
- BETTATI'S CERTIFIED COMPONENTS EN 12094. COMPLIANCE CE 0068
- NEW-180 LITER CYLINDER AT 300 BAR

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fire protection technology

OUR HISTORY

10 YEARS OF EXPERIENCE RESPECTING THE ENVIRONMENT

1999



INTRODUCES ITS OWN INERT 200 BAR IG100 GAS SYSTEM WITH BETTATI'S HARDWARE AT "SICURTECH" ITALY.

2002



ATTENDS "SICURTECH" FAIR, WHERE INTRODUCES ITS 300 BAR VERSION 80/140L CYLINDERS WITH NEW BETTATI HARDWARE.

2008



ACHIEVES THE CE MARK OF ITS COMPONENTS ACCORDING TO DIRECTIVE 89/106/CE CPD AND IN PARTICULAR TO EN 12094.

2010



SINCE 2002 HAS SOLD MORE THAN 9.000 CYLINDERS WHICH CORRESPONDS TO ABOUT 700 SYSTEMS AND HAS REDUCED PRODUCT DEFECTS FROM 6% TO 3%.

INERT GAS SYSTEMS NITROGEN IG100, ARGON IG01 AND BLEND IG55, IG 541 ARE **100% NATURAL PRODUCTS** AS THEY ARE AIR ELEMENTS. BETTATI ANTINCENDIO IS ALWAYS FOCUSED ON THE ENVIRONMENTAL ASPECTS OF ITS PRODUCTS AND HAS BEEN ONE OF THE FIRST COMPANIES TO INTRODUCE INERT GAS TECHNOLOGIES INTO THE MARKET.

INERT GAS SYSTEMS

BETTATI ANTINCENDIO

AZOTO IG100



FEATURES:

- IG100 is 100% pure nitrogen
- the IG100 systems do not generate fog or decomposition by products which may be dangerous for persons and goods being protected
- IG100 accomplished to ISO 14520-13, UNI EN 15004-8, NFPA 2001, EPA, Vds
- IG100 Nitrogen Systems are designed and produced according to international standards
- IG100 is the cheapest gas because of the easy availability

ARGON IG01



FEATURES:

- IG01 is 100% pure Argon
- the IG01 systems do not generate fog or decomposition by products which may be dangerous for persons and goods being protected
- IG01 accomplished to ISO 14520-12, UNI EN 15004-7, NFPA 2001, EPA, Vds
- IG01 Argon Systems are designed and produced according to international standards
- IG01, thanks to its high compression capacity, is the best choice where the space floor is a critical factor.

BLEND IG55



FEATURES:

- IG55 is 50% Argon and 50% Nitrogen
- the IG55 systems do not generate fog or decomposition by products which may be dangerous for persons and goods being protected
- IG55 accomplished to ISO 14520-14, UNI EN 15004-9, NFPA 2001, EPA, Vds
- IG55 Blend Systems are designed and produced according to international standards
- IG55 is the most popular and required inert gas because of its different employs

BLEND IG541



FEATURES:

- IG541 is 40% Argon, 52% Nitrogen and 8% CO2
- the IG541 systems do not generate fog or decomposition by products which may be dangerous for persons and goods being protected
- IG541 accomplished to ISO 14520-15, UNI EN 15004-10, NFPA 2001, EPA, Vds
- IG541 Blend Systems are designed and produced according to international standards
- IG541 is the most popular and required inert gas because of its different employs