

INLET CONNECTION STANDARDS

CGA (Compressed Gas Association, USA)

INLET CONNECTION	CONNECTOR TYPE	CONNECTOR DESCRIPTION	GAS PROPERTIES	EXAMPLES OF GASES OR GAS MIXTURES
C 110	CGA 110	0.3125 - 32 UNEF INT	Small cylinders	All Gases
C 170	CGA 170	9/16" - 18 UNF INT	Non-corrosive,	Propane
small cylinders	Argon, helium	Yoke	Flammable	Acetylene
C 180	CGA 180	5/8" - 18 UNF INT	Small cylinders	All Gases
C 240	CGA 240	3/8" - 18 NPT	Toxic	Ammonia
C 296	CGA 296	0.803" - 14 UNS INT	Oxidising mixtures	Oxygen Mix > 23%
C 300	CGA 300	0.825" - 14 NGO	Refrigerant	Ethyl chloride
C 320	CGA 320	0.825" - 14 NGO	Non-flammable	Carbon dioxide
C 326	CGA 326	0.825" - 14 NGO	Oxidiser	Air
C 330	CGA 330	0.825" - 14 NGO LH	Toxic	Hydrogen chloride
C 346	CGA 346	0.825" - 14 NGO	Oxidiser	Air
C 350	CGA 350	0.825" - 14 NGO LH	Flammable	Hydrogen, methane
C 510	CGA 510	0.825" - 14 NGO LH INT	Flammable	Propane
C 540	CGA 540	0.903" - 14 NGO	Oxidiser	Oxygen
C 580	CGA 580	0.965" - 14 NGO INT	Inert	Argon, nitrogen
C 590	CGA 590	0.965" - 14 NGO LM INT	Oxidiser	Air
C 330	CGA 330	1.030" - 14 NGO	Toxic	Hydrogen sulphide
C 679	CGA 679	1.030" - 14 NGO LH	High pressure	Nitrogen
C 705	CGA 705	1.125" - 14 UNS LH	Toxic	Ammonia

AFNOR (French Standardisation Association - Association Française de Normalisation)

INLET CONNECTION	CONNECTOR TYPE	CONNECTOR DESCRIPTION	GAS PROPERTIES	EXAMPLES OF GASES OR GAS MIXTURES
NF B	NF B	W 30 x 1.75	Oxidiser	Industrial air
NF C	NF C	SI 21.7 x 1.814	Inert gases	Argon, helium, nitrogen
NF E	NF E	SI 21.7 x 1.814 LH	Flammable	Hydrogen, hydrogen mix >4%
NF F	NF F	SI 22.94 x 1.814 INT	Oxidiser	Oxygen
NF G	NF G	SI 26 x 1.5 INT	Oxidiser	Nitrous oxide
NF H	NF H	W 22.91 x 1.814 LH INT	Flammable	Acetylene
NF J	NF J	W 25.4 x 3.175	Corrosive	Chlorine
NF K	NF K	W 27 x 2	Corrosive	Hydrogen chloride
NF L	NF L	W 27 x 2	Oxidiser	Inert gases + oxygen mix > 21%
NF M	NF M	W 30 x 2	Oxidiser	Inert gases + oxygen mix > 21% & CO ₂ < 7%
NF P	NF P	W 27 x 2	Oxidiser or corrosive	Nitric oxide, nitrogen dioxide

BS 341 (British Standard)

INLET CONNECTION	CONNECTOR TYPE	CONNECTOR DESCRIPTION	GAS PROPERTIES	EXAMPLES OF GASES OR GAS MIXTURES
BS 2	BS 341 No. 2	G 5/8" LH	Flammable	Acetylene
BS 3	BS 341 No. 3	G 5/8" INT	Inert	Air, argon, neon, nitrogen
BS 3	BS 341 No. 3	G 5/8" INT	Oxidiser	Oxygen
BS 4	BS 341 No. 4	G 5/8" LH INT	Flammable	Acetylene, hydrogen
BS 4	BS 341 No. 4	G 5/8" LH INT	Flammable	Carbon monoxide, methane, natural gas
BS 6	BS 341 No. 6	G 5/8"	Toxic	Chlorine, hydrogen chloride
BS 7	BS 341 No. 7	G 5/8" LH	Flammable refrigerants	Flammable refrigerants
BS 8	BS 341 No. 8	W 0.860" x 14 TPI	Non-flammable	Carbon dioxide
BS 10	BS 341 No. 10	G 1/2"	Toxic	Ammonia
BS 12	BS 341 No. 12	G 1/2"	Toxic	Sulphur dioxide
BS 13	BS 341 No. 13	W 11/16" - 20 TPI	Oxidiser	Nitrous oxide
BS 14	BS 341 No. 14	G 3/8"	Toxic	Hydrogen cyanide, nitric oxide
BS 15	BS 341 No. 15	G 3/8" LH	Toxic	Carbonyl sulphide, hydrogen sulphide