Following is a summary of the Australian AS2473.2 cylinder valve outlet fittings. The thread specifications are technically accurate, but the dimension ‘X’ is only shown as a reference dimension (thread I.D. or O.D.) that could be measured by someone with a cylinder in order to help determine what an unknown valve connection is. Connections with flat end sealing face require a soft sealing washer as part of the connection. Connections with angled sealing faces are intended to seal metal-to-metal, although an optional o-ring seal is possible on some connections. Teflon tape should not be used on the valve connection threads. (I.D. = inside diameter, O.D. = outside diameter)

**TYPE 10**
5/8” BSP RH Internal, 14 T.P.I.
Internal angled sealing face, thread I.D. 21.0mm
Gases: oxygen, helium, argon, non-flammable non-toxic mixtures

**TYPE 11**
5/8” BSP RH Internal, 14 T.P.I.
Internal angled sealing face, internal recess diameter 23.5 – 24.0mm
Gases (up to 25,000 kPa): oxygen

**TYPE 16**
1.103” NGO RH External, 14 T.P.I.
Internal angled sealing face, thread O.D. 27.9mm, centre hole 13.3mm x 10.2 deep
Gases (up to 31,500 kPa): oxygen

**TYPE 17**
W21.8 RH External, 14 T.P.I.
Internal angled sealing face, thread O.D. 21.8mm, centre hole 13.3mm x 22mm deep
Gases: oxygen

**TYPE 20**
5/8” BSP LH Internal, 14 T.P.I.
Internal angled sealing face, thread I.D. 21.0mm
Gases: acetylene, carbon monoxide, ethane, ethylene, hydrogen, methane, flammable gases, flammable non-toxic mixtures

**TYPE 21**
0.885” NGO LH Internal, 14 T.P.I.
Internal angled sealing face, thread I.D. 21.0mm
Gases: LPG, butane, propane, propylene

**TYPE 22**
1.045” NGO LH Internal, 14 T.P.I.
Internal angled sealing face, thread I.D. 24.6mm
Gases (up to 31,500 kPa): hydrogen, methane
TYPE 23
1.125" NGO LH Internal, 14 T.P.I.
Internal angled sealing face, thread I.D. 26.6mm
Gases (up to 31,500 kPa): hydrogen, methane

TYPE 24
1/4" BSP LH External, 19 T.P.I.
Flat end sealing face, thread O.D. 13.0mm
Gases: flammable gases, flammable non-toxic mixtures

TYPE 25
W21.8 LH External, 14 T.P.I.
Internal angled sealing face, thread I.D. 21.8mm, centre hole 10.0mm x 22mm deep
Gases: acetylene

TYPE 26
0.903" NGO LH External, 14 T.P.I.
Internal angled sealing face, thread O.D. 22.9mm, centre hole 15.0mm x 5.6mm deep
Gases: LPG (liquid withdrawal only)

TYPE 30
0.860" WHIT RH, 14 T.P.I.
Flat end sealing face, thread O.D. 21.8mm
Gases: carbon dioxide, nitrous oxide

TYPE 31
5/8" BSP RH External, 14 T.P.I.
Flat end sealing face, thread O.D. 22.8mm
Gases: sulphur hexafluoride, methyl bromide, phosgene

TYPE 32
1/2" BSP RH External, 14 T.P.I.
Flat end sealing face, thread O.D. 20.8mm
Gases: ammonia, sulphur dioxide

TYPE 33
1/4" BSP RH External, 19 T.P.I.
Flat end sealing face, thread O.D. 13.0mm
Gases: non-flammable non-toxic mixtures
TYPE 34
3/4" BSP RH External, 14 T.P.I.
Flat end sealing face, thread O.D. 26.3mm
Gases: refrigerant gases

TYPE 40
5/8" BSP LH, External 14 T.P.I.
Flat end sealing face, thread O.D. 22.8mm
Gases: Cyanogen, ethylene oxide, hydrogen cyanide, vinyl chloride

TYPE 41
3/8" BSP LH External, 19 T.P.I.
Internal angled sealing face, thread O.D. 16.5mm
Gases: LPG, butane, propane, propylene

TYPE 42
1/2" BSP LH External, 14 T.P.I.
Flat end sealing face, thread O.D. 20.8mm
Gases: Ethylamine, ethylene oxide, methylamine

TYPE 43
0.825" NGO LH External, 14 T.P.I.
Flat end sealing face, thread O.D. 20.8mm
Gases: hydrogen bromide, hydrogen chloride, hydrogen sulphide, methyl mercaptan

TYPE 44
3/8" BSP RH External, 14 T.P.I.
Flat end sealing face, thread O.D. 16.5mm
Gases: non-flammable toxic mixtures

TYPE 45
3/8" BSP LH External, 14 T.P.I.
Flat end sealing face, thread O.D. 16.5mm
Gases: flammable toxic mixtures

TYPE 50
W24x2 RH External, 14 T.P.I.
Internal angled sealing face, thread O.D. 24.0mm, 1st centre hole 13.3mm x 8.1mm deep
Gases: nitrogen, neon, krypton, xenon, nitrogen/carbon dioxide mixtures
non-flammable non-toxic non-oxidising mixtures
**TYPE 51**
1.045” NGO RH Internal, 14 T.P.I.
Internal angled sealing face, thread I.D. 24.6mm
Gases (up to 31,500 kPa): argon, helium, nitrogen, neon, krypton, xenon

**TYPE 52**
1.030” NGO LH External, 14 T.P.I.
Internal angled sealing face, thread O.D. 26.0mm, centre hole 15.00mm x 7.1mm deep
Gases (up to 42,500 kPa): argon, helium, nitrogen, neon, krypton, xenon

**TYPE 60**
W27x2 RH External, 14 T.P.I.
Internal angled sealing face, thread O.D. 27.0mm, 1st centre hole 18.2mm x 8.1mm deep
Gases: air

**TYPE 61**
0.825” NGO RH External, 14 T.P.I.
Internal angled sealing face, thread O.D. 20.8mm, centre hole 12.8mm x 12.1mm deep
Gases (up to 31,500 kPa): air

**TYPE 62**
1.125” NGO RH Internal, 14 T.P.I.
Internal angled sealing face, thread I.D. 26.6mm
Gases (up to 42,500 kPa): air