

'T' & 'Y' ADAPTORS

– FIXED AND SWIVEL TYPES

Class I / II / III Div. 1, 2

Class I / II / III Zone 1 & Zone 21



Features and Benefits

- Used to connect two cable glands to a single entry point.
- Product with metric male threads are supplied with a sealing gasket.
- The fixed type is available with NPT male threads up to size 1" NPT (Metric to M32). The swivel type is available with Metric male threads only, up to size M32.
- The swivel type can be fixed in any position around a 360° circle.
- The female threads can be the same size as the male thread or any size smaller.

Technical Data

Product:	'T' & 'Y' Fixed Adaptor / 'T' & 'Y' Swivel Adaptor
Material:	Brass (Marine Grade Electroless Nickel Plated) or Stainless Steel.
Gasket:	HDPE, Nylon 66 or PTFE. (Selected according to the temperature range required.)
Note:	The installer should check that the materials are suitable for the installation environment.
Temperature ranges:	When fitted with sealing gaskets the temperature range for the 'T' & 'Y' Adaptors will be:-
Sealing gasket material	Temperature range
HDPE	-20°C or -60°C to +95°C
Nylon 66	-20°C or -60°C to +100°C
PTFE	-20°C or -60°C to +160°C
Note:	-60°C temperature range applies to AEx / Ex eb applications only

Standards and Certifications

Type	Certificate	Protection Level
NEC / CEC:	LR1537-2	Class I/II/III Div. 1,2; Class I, Zone 1; Zone 21 AEx / Ex db IIC Gb, AEx/ Ex eb IIC Gb, AEx/ Ex tb IIIC Db

In accordance with NEC/CEC the products can additionally be used in Zones 2 and 22



Other certification types are available for this product e.g. IECEx.

Specific Conditions of Use - X

1. Products have a minimum IP rating of IP65 with no sealing gasket. Metric threads can have an IP rating of IP66/67/68 if fitted with the supplied sealing gasket. NPT threads can have an IP rating of IP66/67/68 if fitted using a suitable thread sealant.
2. Only one 'T' or 'Y' adaptor should be installed in any one cable entry.
3. The 'T' or 'Y' adaptor should not be fitted with a blanking plug or plugs for AEx / Ex db applications.
4. Suitable for use in indoor and outdoor locations.

Product Code

Product Code				Male Thread	Female Thread
Fixed 'T'	Swivel 'T'	Fixed 'Y'	Swivel 'Y'		
FTM20M20E-MNA	ATM20M20E-MNA	FYM20M20E-MNA	AYM20M20E-MNA	M20	M20
FTM25M25E-MNA	ATM25M25E-MNA	FYM25M25E-MNA	AYM25M25E-MNA	M25	M25
FTM32M32E-MNA	ATM32M32E-MNA	FYM32M32E-MNA	AYM32M32E-MNA	M32	M32
FTM20N012E-MNA	ATM20N012E-MNA	FYM20N012E-MNA	AYM20N012E-MNA	M20	½" NPT
FTM25N034E-MNA	ATM25N034E-MNA	FYM25N034E-MNA	AYM25N034E-MNA	M25	¾" NPT
FTM32N001E-MNA	ATM32N001E-MNA	FYM32N001E-MNA	AYM32N001E-MNA	M32	1" NPT
FTN012M20E-MNA	-	FYN012M20E-MNA	-	½" NPT	M20
FTN034M20E-MNA	-	FYN034M20E-MNA	-	¾" NPT	M20
FTN034M25E-MNA	-	FYN034M25E-MNA	-	¾" NPT	M25
FTN001M32E-MNA	-	FYN001M32E-MNA	-	1" NPT	M32

Fitting Instructions

'T' and 'Y' adaptors with NPT male threads should be tightened wrench tight. 'T' and 'Y' adaptors with metric threads should be tightened according to the table.

Note: In the instructions below the 'T' adaptor is shown, but the instructions apply equally to the 'Y' adaptor.

Thread Size	Torque Nm
M20	21
M25	30
M32	42

Fixed 'T' or 'Y' Adaptor

1. If a sealing gasket is used then ensure that the threaded entry on the equipment has a flat square surface to engage the sealing gasket.
2. If fitting to a clearance hole, secure the adaptor using a locknut. (Use a locknut and a serrated washer in high vibration areas.)
3. Tighten the adaptor or locknut using a spanner as shown to the torque levels indicated above.

Adjustable Adaptor

1. The locking nut must be fully tightened onto the male thread before installing the adaptor.
2. Ensure that the threaded entry on the equipment has a flat square surface to engage the sealing gasket. Tighten the adaptor using a spanner as shown to the torque levels indicated above.
3. Unscrew the adaptor a maximum of 360° until it is pointing in the correct direction.
4. Hold the adaptor in the required orientation with a spanner and tighten the locking nut against the equipment, noting the torque figure shown above.
5. Check that the O-ring seal is not visible. (This ensures that the correct number of threads are engaged in the equipment.) If the O-ring is visible then repeat steps 1-4 correctly.

Fixed 'T' or 'Y' and Adjustable Adaptor

1. Hold the fixed or swivel adaptor flats using a spanner to resist the torque applied whilst fitting a cable gland to the female thread.