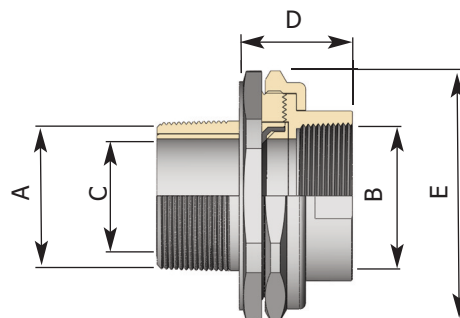




PX780

Barrier Union



Barrier Union Type PX780 with Flameproof Ex d IIC & Increased Safety Ex e II forms of protection.

The CMP Type PX780 Metallic Barrier Union is designed to allow connection of rigid and flexible conduit, or terminated cable glands, to any fixed equipment. The PX780 Union provides a running connection by means of an integral coupling arrangement that eliminates the need to rotate the conduit, or cable, or equipment to achieve a correct termination. The ease of installation offered by the PX780 Barrier Union consequently makes the process of removing the conduit or other terminated cable entry device from the equipment a simple, fast and effective one.

The Type PX780 utilizes CMP's innovative **RAPID_{Ex}** Fast Curing Liquid Resin, which installs in seconds and cures in minutes

Available in Brass, Aluminium or Stainless Steel these Barrier Unions are approved for use in conjunction with Class I, Div 1, Ex d and Ex e certified equipment and cable entry devices, and can also be supplied with thread conversion between the forward and rear threads to either a reduced size or a variety of different thread types, e.g. Metric to NPT, or NPT to Metric.

Technical Data	
Type	PX780
ATEX Certification Detail	SIRA 10 ATEX 1306U
Code of Protection Category	Ex II 2 GD Exd IIC Gb / Exe IIC Gb / Exd I Mb / Exe I Mb / Ex ta IIIC Da IP6X Component, Zone 1, Zone 2, Zone21, & Zone 22 - Gas Groups IIA, IIB, IIC
IECEx Certification Detail	IEC Ex SIR10.0148U
Code of Protection Category	Exd IIC Gb / Exe IIC Gb / Exd I Mb / Exe I Mb / Ex ta IIIC Da IP6X
Compliance Standards	EN 60079-0, EN 60079-1, EN 60079-7, EN 60074-31, IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31
cCSAus Certification No.	1055233
Code of Protection	Class I, groups A,B,C,D ; Enclosure type 4X : Class I, Zone 1, AEx de II ; Ex de II
Continuous Operating Temperature	-20°C to +85°C
Ingress Protection Rating	IP66, Nema 4X
Materials	Brass, Nickel Plated Brass, Aluminium, Stainless Steel

** **RAPID_{Ex}** Ordered separately

Product Selection Table										
Ordering Reference * NPT Nickel Plated Brass	Male NPT Thread 'A'	Minimum Thread Length	Female NPT Thread 'B'	Diameter over Cores 'C'	Max. No of Cores	Protrusion Length 'D'	Dimension 'E'		Installation Torque (Nm)	RapidEx Order Ref **
							A/F	A/C		
PX780DT1T15	1/2"	0.783	1/2"	0.496	11	1.795	1.811	1.957	7	RAPIDEX30
PX780DT2T25	3/4"	0.795	3/4"	0.689	21	1.819	1.968	2.126	10	RAPIDEX30
PX780DT3T35	1"	0.984	1"	0.930	38	1.839	2.362	2.551	15	RAPIDEX30
PX780DT4T45	1-1/4"	1.008	1-1/4"	1.181	59	1.858	2.559	2.764	25	RAPIDEX30
PX780DT5T55	1-1/2"	1.028	1-1/2"	1.614	59	1.854	2.953	3.189	30	RAPIDEX80
PX780DT6T65	2"	1.059	2"	2.114	89	2.024	3.551	3.835	45	2RAPIDEX80
PX780DT7T75	2-1/2"	1.535	2-1/2"	2.531	115	2.213	3.937	4.252	45	3RAPIDEX80
PX780DT8T85	3"	1.634	3"	2.965	140	2.402	4.724	5.102	45	3RAPIDEX80
PX780DT9T95	3-1/2"	1.685	3-1/2"	3.370	200	2.606	5.314	15.740	45	3RAPIDEX80
All dimensions shown are in inches unless otherwise stated										

* For other materials, remove the "5" from the end of Order Reference and replace with "1" for Aluminium or "4" for Stainless Steel.
(For Brass remove the "5")

Marked with ATEX, IEC Ex & cCSAus certification details as standard.