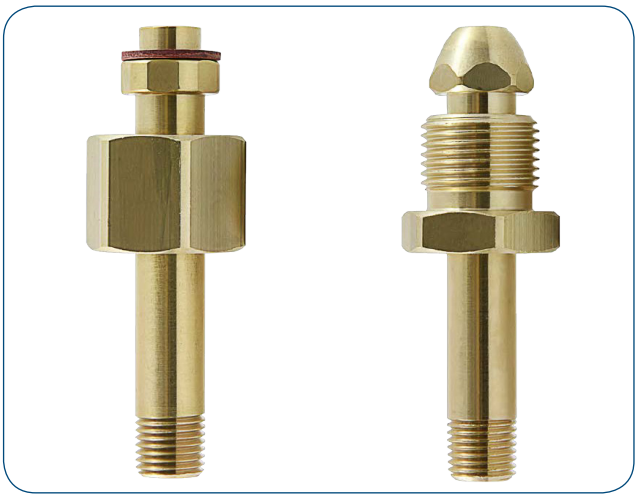
Tech Master Cylinder Connections

4.5 Purity Brass Barstock



Tech Master Cylinder Connections are designed for use with our grade 4.5 purity (99.995%) range of regulators.

As a global supplier to the industrial, specialty and medical gas control equipment sectors, we offer a comprehensive range of compressed gas cylinder valve connections in brass, plated brass and stainless steel. In the section table below we highlight our common BS341, DIN 477 and CGA connections, which by using the 'Configuration Item Number', you can configure and build your pressure regulator or gas control panel assembly.

If you cannot see the connection that suits your requirement, please contact one of our regional sales offices or local representatives, as we produce connections to suit many regional and global needs.
(ABNT, AFNOR, IRAM 2539, ISO 5145, ITC EP-6, NEN 3268, UNI, AS 2473.2, JIS).

Configuration Item No.	Cylinder Connection	Thread	Length mm / inch	Pressure Rating	Part No.	Material
			Cylinder Connections for British Standard			
009	BS341 No. 3 (Base Entry)	1/4″ NPT Male	67 / 2.6378″	250 bar [3625 PSI]	RSP00250	Brass
010	BS341 No. 3	1/4″ NPT Male	106 / 4.173″	250 bar [3625 PSI]	RSP00251	Brass
011	BS341 No.4 (Base Entry)	1/4″ NPT Male	67 / 2.6378″	250 bar [3625 PSI]	RSP00252	Brass
012	BS341 No. 4	1/4″ NPT Male	106 / 4.173″	250 bar [3625 PSI]	RSP00253	Brass
013	BS341 No. 6	1/4″ NPT Male	89 / 3.504″	250 bar [3625 PSI]	RSP00254	Brass
014	BS341 No. 7	1/4″ NPT Male	89 / 3.504″	250 bar [3625 PSI]	RSP00255	Brass
015	BS341 No. 8	1/4″ NPT Male	85 / 3.346″	250 bar [3625 PSI]	RSP00256	Brass
016	BS341 No. 10	1/4″ NPT Male	86 / 3.386″	250 bar [3625 PSI]	RSP00257	Brass
017	BS341 No. 11	1/4″ NPT Male	86 / 3.386″	250 bar [3625 PSI]	RSP00258	Brass
018	BS341 No. 13	1/4″ NPT Male	64 / 2.519″	250 bar [3625 PSI]	RSP00259	Brass
019	BS341 No. 14	1/4″ NPT Male	86 / 3.386″	250 bar [3625 PSI]	RSP00260	Brass
020	BS341 No. 15	1/4″ NPT Male	86 / 3.386″	250 bar [3625 PSI]	RSP00261	Brass
021	BS341 No. 30	1/4″ NPT Male	95 / 3.740″	300 bar [4350 PSI]	RSP00262	Brass
022	BS341 No. 31	1/4″ NPT Male	101 / 3.976″	300 bar [4350 PSI]	RSP00263	Brass
023	BS341 No. 32	1/4″ NPT Male	95 / 3.740″	300 bar [4350 PSI]	RSP00264	Brass
024	BS341 No. 38	1/4″ NPT Male	90 / 3.543″	300 bar [4350 PSI]	RSP35061	Brass
			Cylinder Connections for German Standard			
025	DIN477-1 No. 1	1/4″ NPT Male	85 / 3.346″	200 bar [2900 PSI]	RSP00300	Brass
026	DIN477-1 No. 2	1/4″ NPT Male	101 / 3.976″	200 bar [2900 PSI]	RSP00301	Brass
027	DIN477-1 No. 3	1/4″ NPT Male	80 / 3.1496″	200 bar [2900 PSI]	RSP00302	Brass
028	DIN477-1 No. 3.1	1/4″ NPT Male	101 / 3.976″	200 bar [2900 PSI]	RSP00303	Brass
029	DIN477-1 No. 5	1/4″ NPT Male	101 / 3.976″	200 bar [2900 PSI]	RSP00304	Brass
030	DIN477-1 No. 6	1/4″ NPT Male	85 / 3.346″	200 bar [2900 PSI]	RSP00305	Brass
031	DIN477-1 No. 7	1/4″ NPT Male	85 / 3.346″	200 bar [2900 PSI]	RSP00306	Brass
032	DIN477-1 No. 8	1/4″ NPT Male	84 / 3.307″	200 bar [2900 PSI]	RSP00307	Brass
033	DIN477-1 No. 9	1/4″ NPT Male	85 / 3.346″	200 bar [2900 PSI]	RSP00308	Brass
034	DIN477-1 No. 10	1/4″ NPT Male	85 / 3.346″	200 bar [2900 PSI]	RSP16070	Brass
035	DIN477-1 No. 11	1/4″ NPT Male	81 / 3.189″	200 bar [2900 PSI]	RSP00309	Brass
036	DIN477-1 No. 12	1/4″ NPT Male	101 / 3.976″	200 bar [2900 PSI]	RSP00310	Brass
037	DIN477-1 No. 13	1/4″ NPT Male	83 / 3.278″	200 bar [2900 PSI]	RSP16071	Brass
038	DIN477-1 No. 14	1/4″ NPT Male	89 / 3.504″	200 bar [2900 PSI]	RSP00311	Brass
061	DIN477-5 No. 54	1/4″ NPT Male	95 / 3.740″	300 bar [4350 PSI]	RSP00262	Brass
066	DIN477-5 No. 56	1/4″ NPT Male	101 / 3.976″	300 bar [4350 PSI]	RSP00263	Brass
087	DIN477-5 No. 57	1/4″ NPT Male	90 / 3.543″	300 bar [4350 PSI]	RSP35061	Brass
088	DIN477-5 No. 59	1/4″ NPT Male	95 / 3.740″	300 bar [4350 PSI]	RSP00264	Brass

We do everything we can to ensure that the technical information within this document is correct at time of publishing, however content may be changed without notice.

Configuration Item No.	Cylinder Connection	Thread	Length mm / inch	Pressure Rating	Part No.	Material
Cylinder Connections for US Standard						
039	CGA170	1/4″ NPT Male	101 / 3.976″	207 bar [3000 PSI]	RSP00350	Brass
040	CGA180	1/4″ NPT Male	61 / 2.402″	207 bar [3000 PSI]	RSP00365	Brass
041	CGA280	1/4″ NPT Male	61 / 2.402″	207 bar [3000 PSI]	RSP00351	Brass
043	CGA296	1/4″ NPT Male	87 / 3.425″	207 bar [3000 PSI]	RSP00352	Brass
045	CGA320	1/4″ NPT Male	75 / 2.953″	207 bar [3000 PSI]	RSP00353	Brass
046	CGA326	1/4″ NPT Male	101 / 3.976″	207 bar [3000 PSI]	RSP00354	Brass
047	CGA330	1/4″ NPT Male	81 / 3.189″	207 bar [3000 PSI]	RSP00355	Brass
048	CGA346	1/4″ NPT Male	98 / 3.858″	207 bar [3000 PSI]	RSP00356	Brass
049	CGA350	1/4″ NPT Male	70 / 2.756″	207 bar [3000 PSI]	RSP00357	Brass
050	CGA510	1/4″ NPT Male	84 / 3.307″	35 bar [500 PSI]	RSP00358	Brass
051	CGA520	1/4″ NPT Male	101 / 3.976″	35 bar [500 PSI]	RSP00359	Brass
052	CGA540	1/4″ NPT Male	85 / 3.469″	207 bar [3000 PSI]	RSP00360	Brass
053	CGA580	1/4″ NPT Male	106 / 4.223″	207 bar [3000 PSI]	RSP00361	Brass
054	CGA590	1/4″ NPT Male	106 / 4.223″	207 bar [3000 PSI]	RSP00362	Brass
071	CGA240	1/4″ NPT Male	101 / 3.976″	35 bar [500 PSI]	RSP00216	Brass
072	CGA500	1/4″ NPT Male	101 / 3.976″	300 bar [4350 PSI]	RSP00217	Brass
073	CGA555	1/4″ NPT Male	101 / 3.976″	300 bar [4350 PSI]	RSP00218	Brass
074	CGA992	1/4″ NPT Male	101 / 3.976″	300 bar [4350 PSI]	RSP00219	Brass
075	CGA993	1/4″ NPT Male	101 / 3.976″	300 bar [4350 PSI]	RSP00220	Brass
077	CGA680	1/4″ NPT Male	101 / 3.976″	385 bar [5500 PSI]	RSP00221	Brass
Other Inlet Connections						
000	1/4 NPT Female	1/4″ NPT Male	–	300 bar [4350 PSI]	–	Brass
001	1/8 SST Compression	1/4″ NPT Male	–	300 bar [4350 PSI]	GCP37395	Stainless Steel
002	1/4 SST Compression	1/4″ NPT Male	–	300 bar [4350 PSI]	GCP37237	Stainless Steel
003	6mm SST Compression	1/4″ NPT Male	–	300 bar [4350 PSI]	GCP37396	Stainless Steel
004	1/4 NPT Male	1/4″ NPT Male	–	300 bar [4350 PSI]	GCP20010	Brass
007	G3/8 BSP R/H Brass Male	1/4″ NPT Male	–	300 bar [4350 PSI]	RSP00120	Brass
008	G3/8 BSP L/H Brass Male	1/4″ NPT Male	–	300 bar [4350 PSI]	RSP00121	Brass
058	1/4″ NPT Female 90° Elbow	1/4″ NPT Male	–	300 bar [4350 PSI]	GCP02229	Brass
065	3/8 SST Compression	1/4″ NPT Male	–	300 bar [4350 PSI]	GCP37404	Stainless Steel
066	10mm SST Compression	1/4″ NPT Male	–	300 bar [4350 PSI]	GCP37516	Stainless Steel
067	1/2 SST Compression	1/4″ NPT Male	–	300 bar [4350 PSI]	GCP37515	Stainless Steel
068	12mm SST Compression	1/4″ NPT Male	–	300 bar [4350 PSI]	GCP37517	Stainless Steel
091	8mm SST Compression	1/4″ NPT Male	–	300 bar [4350 PSI]	GCP37524	Stainless Steel