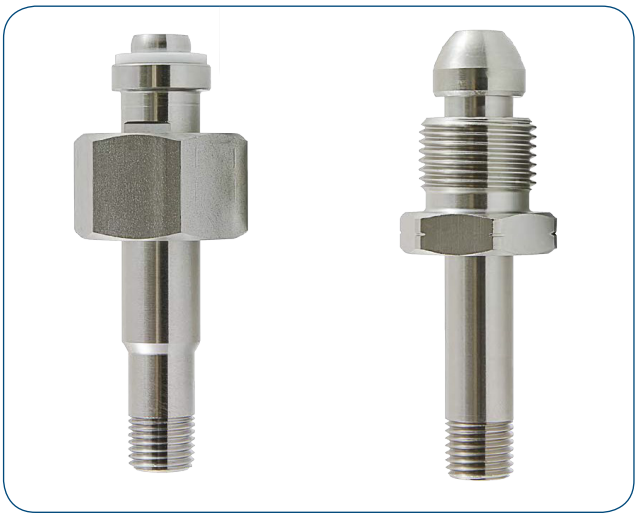
Lab Master Cylinder Connections

5.0 Purity Nickel Plated Brass Barstock



Lab Master Cylinder Connections are designed for use with our grade 5.0 purity (99.999%) 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						
010	BS341 No. 3	1/4″ NPT Male	106 / 4.173″	250 bar [3625 PSI]	GCP36026	Plated Brass
012	BS341 No. 4	1/4″ NPT Male	106 / 4.173″	250 bar [3625 PSI]	GCP36027	Plated Brass
013	BS341 No. 6	1/4″ NPT Male	89 / 3.504″	250 bar [3625 PSI]	RSP35050	Plated Brass
014	BS341 No. 7	1/4″ NPT Male	89 / 3.504″	250 bar [3625 PSI]	RSP35051	Plated Brass
015	BS341 No. 8	1/4″ NPT Male	85 / 3.346″	250 bar [3625 PSI]	RSP35052	Plated Brass
016	BS341 No. 10	1/4″ NPT Male	86 / 3.386″	250 bar [3625 PSI]	RSP35053	Plated Brass
017	BS341 No. 11	1/4″ NPT Male	86 / 3.386″	250 bar [3625 PSI]	RSP35054	Plated Brass
018	BS341 No. 13	1/4″ NPT Male	64 / 2.519″	250 bar [3625 PSI]	RSP35055	Plated Brass
019	BS341 No. 14	1/4″ NPT Male	86 / 3.386″	250 bar [3625 PSI]	RSP35056	Plated Brass
020	BS341 No. 15	1/4″ NPT Male	86 / 3.386″	250 bar [3625 PSI]	RSP35057	Plated Brass
021	BS341 No. 30	1/4″ NPT Male	95 / 3.740″	300 bar [4350 PSI]	RSP35058	Plated Brass
022	BS341 No. 31	1/4″ NPT Male	101 / 3.976″	300 bar [4350 PSI]	RSP35059	Plated Brass
023	BS341 No. 32	1/4″ NPT Male	95 / 3.740″	300 bar [4350 PSI]	RSP35060	Plated Brass
024	BS341 No. 38	1/4″ NPT Male	90 / 3.543″	300 bar [4350 PSI]	RSP35061	Plated Brass
Cylinder Connections for German Standard						
025	DIN477-1 No. 1	1/4″ NPT Male	85 / 3.346″	200 bar [2900 PSI]	RSP35100	Plated Brass
026	DIN477-1 No. 2	1/4″ NPT Male	101 / 3.976″	200 bar [2900 PSI]	RSP35101	Plated Brass
028	DIN477-1 No. 3.1	1/4″ NPT Male	101 / 3.976″	200 bar [2900 PSI]	RSP35102	Plated Brass
029	DIN477-1 No. 5	1/4″ NPT Male	101 / 3.976″	200 bar [2900 PSI]	RSP35103	Plated Brass
030	DIN477-1 No. 6	1/4″ NPT Male	85 / 3.346″	200 bar [2900 PSI]	GCP36090	Plated Brass
031	DIN477-1 No. 7	1/4″ NPT Male	85 / 3.346″	200 bar [2900 PSI]	RSP35104	Plated Brass
032	DIN477-1 No. 8	1/4″ NPT Male	84 / 3.307″	200 bar [2900 PSI]	RSP35105	Plated Brass
033	DIN477-1 No. 9	1/4″ NPT Male	85 / 3.346″	200 bar [2900 PSI]	GCP36091	Plated Brass
034	DIN477-1 No. 10	1/4″ NPT Male	85 / 3.346″	200 bar [2900 PSI]	GCP36033	Plated Brass
035	DIN477-1 No. 11	1/4″ NPT Male	81 / 3.189″	200 bar [2900 PSI]	RSP35106	Plated Brass
036	DIN477-1 No. 12	1/4″ NPT Male	101 / 3.976″	200 bar [2900 PSI]	RSP35107	Plated Brass
037	DIN477-1 No. 13	1/4″ NPT Male	83 / 3.268″	200 bar [2900 PSI]	GCP36089	Plated Brass
038	DIN477-1 No. 14	1/4″ NPT Male	89 / 3.504″	200 bar [2900 PSI]	RSP36008	Plated Brass
061	DIN477-5 No. 54	1/4″ NPT Male	95 / 3.740″	300 bar [4350 PSI]	RSP35058	Plated Brass
066	DIN477-5 No. 56	1/4″ NPT Male	101 / 3.976″	300 bar [4350 PSI]	RSP35059	Plated Brass
087	DIN477-5 No. 57	1/4″ NPT Male	90 / 3.543″	300 bar [4350 PSI]	RSP35061	Plated Brass
088	DIN477-5 No. 59	1/4″ NPT Male	95 / 3.740″	300 bar [4350 PSI]	RSP35060	Plated 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]	RSP35150	Plated Brass
040	CGA180	1/4″ NPT Male	61 / 2.402″	207 bar [3000 PSI]	RSP35151	Plated Brass
041	CGA280	1/4″ NPT Male	61 / 2.402″	207 bar [3000 PSI]	RSP35152	Plated Brass
043	CGA296	1/4″ NPT Male	87 / 3.425″	207 bar [3000 PSI]	RSP35153	Plated Brass
045	CGA320	1/4″ NPT Male	75 / 2.953″	207 bar [3000 PSI]	RSP35154	Plated Brass
046	CGA326	1/4″ NPT Male	101 / 3.976″	207 bar [3000 PSI]	RSP35155	Plated Brass
047	CGA330	1/4″ NPT Male	81 / 3.189″	207 bar [3000 PSI]	RSP35156	Plated Brass
048	CGA346	1/4″ NPT Male	98 / 3.858″	207 bar [3000 PSI]	RSP35157	Plated Brass
049	CGA350	1/4″ NPT Male	70 / 2.756″	207 bar [3000 PSI]	RSP35158	Plated Brass
050	CGA510	1/4″ NPT Male	84 / 3.307″	35 bar [500 PSI]	RSP35159	Plated Brass
051	CGA520	1/4″ NPT Male	101 / 3.976″	35 bar [500 PSI]	RSP35160	Plated Brass
052	CGA540	1/4″ NPT Male	85 / 3.469″	207 bar [3000 PSI]	RSP35161	Plated Brass
053	CGA580	1/4″ NPT Male	106 / 4.223″	207 bar [3000 PSI]	RSP35162	Plated Brass
054	CGA590	1/4″ NPT Male	106 / 4.223″	207 bar [3000 PSI]	RSP35163	Plated Brass
071	CGA240	1/4″ NPT Male	101 / 3.976″	35 bar [500 PSI]	RSP35166	Plated Brass
072	CGA500	1/4″ NPT Male	101 / 3.976″	300 bar [4350 PSI]	RSP35167	Plated Brass
073	CGA555	1/4″ NPT Male	101 / 3.976″	300 bar [4350 PSI]	RSP35168	Plated Brass
074	CGA992	1/4″ NPT Male	101 / 3.976″	300 bar [4350 PSI]	RSP35169	Plated Brass
075	CGA993	1/4″ NPT Male	101 / 3.976″	300 bar [4350 PSI]	RSP35170	Plated Brass
077	CGA680	1/4″ NPT Male	101 / 3.976″	385 bar [5500 PSI]	RSP35171	Plated Brass
Other Inlet Connections						
000	1/4 NPT Female	1/4″ NPT Male	–	300 bar [4350 PSI]	–	Plated 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]	GCP35015	Plated 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]	GCP36162	Plated 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