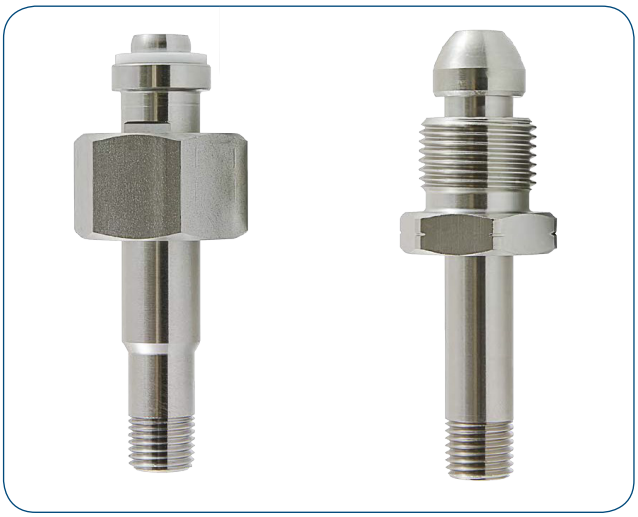
Chem Master Cylinder Connections

6.0 Purity Stainless Steel



Chem Master Cylinder Connections are designed for use with our grade 6.0 purity (99.9999%) 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]	GCP37039	Stainless Steel
012	BS341 No. 4	1/4″ NPT Male	106 / 4.173″	250 bar [3625 PSI]	GCP37040	Stainless Steel
013	BS341 No. 6	1/4″ NPT Male	89 / 3.504″	250 bar [3625 PSI]	GCP37027	Stainless Steel
014	BS341 No. 7	1/4″ NPT Male	89 / 3.504″	250 bar [3625 PSI]	GCP37030	Stainless Steel
015	BS341 No. 8	1/4″ NPT Male	85 / 3.346″	250 bar [3625 PSI]	GCP37283	Stainless Steel
016	BS341 No. 10	1/4″ NPT Male	86 / 3.386″	250 bar [3625 PSI]	GCP37024	Stainless Steel
017	BS341 No. 11	1/4″ NPT Male	86 / 3.386″	250 bar [3625 PSI]	RSP37050	Stainless Steel
018	BS341 No. 13	1/4″ NPT Male	64 / 2.519″	250 bar [3625 PSI]	GCP37041	Stainless Steel
019	BS341 No. 14	1/4″ NPT Male	86 / 3.386″	250 bar [3625 PSI]	GCP37028	Stainless Steel
020	BS341 No. 15	1/4″ NPT Male	86 / 3.386″	250 bar [3625 PSI]	GCP37025	Stainless Steel
021	BS341 No. 30	1/4″ NPT Male	95 / 3.740″	300 bar [4350 PSI]	GCP37286	Stainless Steel
022	BS341 No. 31	1/4″ NPT Male	101 / 3.976″	300 bar [4350 PSI]	RSP37051	Stainless Steel
023	BS341 No. 32	1/4″ NPT Male	95 / 3.740″	300 bar [4350 PSI]	RSP37052	Stainless Steel
024	BS341 No. 38	1/4″ NPT Male	90 / 3.543″	300 bar [4350 PSI]	RSP37053	Stainless Steel
Cylinder Connections for German Standard						
025	DIN477-1 No. 1	1/4″ NPT Male	85 / 3.346″	200 bar [2900 PSI]	GCP37032	Stainless Steel
026	DIN477-1 No. 2	1/4″ NPT Male	101 / 3.976″	200 bar [2900 PSI]	RSP37100	Stainless Steel
029	DIN477-1 No. 5	1/4″ NPT Male	101 / 3.976″	200 bar [2900 PSI]	GCP37036	Stainless Steel
030	DIN477-1 No. 6	1/4″ NPT Male	85 / 3.346″	200 bar [2900 PSI]	GCP37037	Stainless Steel
031	DIN477-1 No. 7	1/4″ NPT Male	85 / 3.346″	200 bar [2900 PSI]	RSP37101	Stainless Steel
032	DIN477-1 No. 8	1/4″ NPT Male	84 / 3.307″	200 bar [2900 PSI]	GCP37031	Stainless Steel
033	DIN477-1 No. 9	1/4″ NPT Male	85 / 3.346″	200 bar [2900 PSI]	GCP37284	Stainless Steel
034	DIN477-1 No. 10	1/4″ NPT Male	85 / 3.346″	200 bar [2900 PSI]	GCP37033	Stainless Steel
035	DIN477-1 No. 11	1/4″ NPT Male	81 / 3.189″	200 bar [2900 PSI]	RSP37102	Stainless Steel
036	DIN477-1 No. 12	1/4″ NPT Male	101 / 3.976″	200 bar [2900 PSI]	RSP37103	Stainless Steel
037	DIN477-1 No. 13	1/4″ NPT Male	83 / 3.278″	200 bar [2900 PSI]	GCP37043	Stainless Steel
038	DIN477-1 No. 14	1/4″ NPT Male	89 / 3.504″	200 bar [2900 PSI]	GCP37035	Stainless Steel
061	DIN477-5 No. 54	1/4″ NPT Male	95 / 3.740″	300 bar [4350 PSI]	GCP37286	Stainless Steel
066	DIN477-5 No. 56	1/4″ NPT Male	101 / 3.976″	300 bar [4350 PSI]	RSP37051	Stainless Steel
087	DIN477-5 No. 57	1/4″ NPT Male	90 / 3.543″	300 bar [4350 PSI]	RSP37053	Stainless Steel
088	DIN477-5 No. 59	1/4″ NPT Male	95 / 3.740″	300 bar [4350 PSI]	RSP37052	Stainless Steel

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]	RSP37150	Stainless Steel
040	CGA180	1/4″ NPT Male	61 / 2.402″	207 bar [3000 PSI]	GCP37034	Stainless Steel
041	CGA280	1/4″ NPT Male	61 / 2.402″	207 bar [3000 PSI]	RSP37152	Stainless Steel
043	CGA296	1/4″ NPT Male	87 / 3.425″	207 bar [3000 PSI]	GCP37280	Stainless Steel
044	CGA300	1/4″ NPT Male	101 / 3.976″	35 bar [500 PSI]	RSP37154	Stainless Steel
045	CGA320	1/4″ NPT Male	75 / 2.953″	207 bar [3000 PSI]	GCP37285	Stainless Steel
046	CGA326	1/4″ NPT Male	101 / 3.976″	207 bar [3000 PSI]	RSP37155	Stainless Steel
047	CGA330	1/4″ NPT Male	81 / 3.189″	207 bar [3000 PSI]	GCP37026	Stainless Steel
048	CGA346	1/4″ NPT Male	98 / 3.858″	207 bar [3000 PSI]	RSP37156	Stainless Steel
049	CGA350	1/4″ NPT Male	70 / 2.756″	207 bar [3000 PSI]	GCP37042	Stainless Steel
050	CGA510	1/4″ NPT Male	84 / 3.307″	35 bar [500 PSI]	GCP37282	Stainless Steel
051	CGA520	1/4″ NPT Male	101 / 3.976″	35 bar [500 PSI]	RSP37157	Stainless Steel
052	CGA540	1/4″ NPT Male	85 / 3.469″	207 bar [3000 PSI]	GCP37279	Stainless Steel
053	CGA580	1/4″ NPT Male	106 / 4.223″	207 bar [3000 PSI]	GCP37038	Stainless Steel
054	CGA590	1/4″ NPT Male	106 / 4.223″	207 bar [3000 PSI]	RSP37158	Stainless Steel
055	CGA660	1/4″ NPT Male	101 / 3.976″	207 bar [3000 PSI	GCP37281	Stainless Steel
056	CGA705	1/4″ NPT Male	101 / 3.976″	207 bar [3000 PSI	RSP37159	Stainless Steel
071	CGA240	1/4″ NPT Male	101 / 3.976″	35 bar [500 PSI]	RSP37151	Stainless Steel
072	CGA500	1/4″ NPT Male	101 / 3.976″	300 bar [4350 PSI]	RSP37167	Stainless Steel
073	CGA555	1/4″ NPT Male	101 / 3.976″	300 bar [4350 PSI]	RSP37168	Stainless Steel
074	CGA992	1/4″ NPT Male	101 / 3.976″	300 bar [4350 PSI]	RSP37169	Stainless Steel
075	CGA993	1/4″ NPT Male	101 / 3.976″	300 bar [4350 PSI]	RSP37170	Stainless Steel
077	CGA680	1/4″ NPT Male	101 / 3.976″	385 bar [5500 PSI]	RSP37171	Stainless Steel
Other Inlet Connections						
000	1/4 NPT Female	1/4″ NPT Male	–	300 bar [4350 PSI]	–	Stainless Steel
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]	GCP37046	Stainless Steel
058	1/4″ NPT Female 90° Elbow	1/4″ NPT Male	–	300 bar [4350 PSI]	GCP37498	Stainless Steel
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