

Total trusted solution for Gas Equipment

DSW[®]
Gas Cylinder Industry

DSW
Gas Cylinder Equipment Manufacturer



CE ISO 9001 TÜV CERT BV



DSW[®]
Gas Cylinder

Ningbo DSW Industry Co.,Ltd
Address: 1301-1302 No.5 Oriental Commercial
Center,Xingning road, Ningbo City,315041, China
Tel:+86(574) 27861829
+86(574) 27861849
+86(574) 27863512
+86(574) 87284513
Fax: +86(574) 87264906 27861830
Email:sales@dswbrand.com

DSW[®] **BluNet**
Gas Cylinder
Find Your Reliable Partner in Gas Equipment

宁波永丰电子有限公司
NINGBO DSW INDUSTRY CO.,LTD



NINGBO DSW INDUSTRY CO.,LTD

宁波永丰电子有限公司

Seamless Steel Gas Cylinders

Cryogenic Tanks

Established in 1998. Our company possesses three production lines for production of various seamless gas cylinders. The annual production and sale for gas cylinders of below 20L for 600 thousand pieces, accounting for 90% domestic share in small size gas cylinder market. The recently set up new production line for 0.4L-80L emergency respirator, colliery escape capsule and refuge chamber has the annual production of 700 thousand pieces of cylinders. By the year 2013, the total specifications we do ascent to 109 types to meet different customers' requirement.

Our major products are oxygen cylinder, nitrogen cylinder, carbon dioxide cylinder, argon cylinder, other industrial cylinder, medical oxygen supply unit, etc., with wide application for fields of medical apparatus and instruments, engineering machinery, colliery rescue, gas industry, welding-cutting machinery, and chemical industry. Our cryogenic vessels production line mainly produce cryogenic liquid storage tanks, welding insulation cylinders, cryogenic reaction device, cryogenic tanks, cryogenic ISO tank container and air temperature vaporizer.

So far our products are enjoying good markets at home and exporting to European and American countries, the Middle East countries, West Asia, as well as South and East Asia countries.



气瓶专用滚字机
Cylinders dedicated roll-word machine





GB5099 Steel gas cylinders

型号 Type	外径(mm) Outer Diameter	容积(L) Water Capacity	高度(mm) (不含阀门) Height (Without valve)	重量(Kg) (不含阀、帽) Weight (Without valve, cap)	工作压力(Mpa) Working Pressure	设计壁厚(mm) Design Wall Thickness	材料牌号 Material Grades
WGT68-0.30-20	68	0.3	139	0.58	20	1.8	34CrMo4
WGT68-0.35-20		0.35	155	0.64			
WGT68-0.36-20		0.36	158	0.65			
WGT68-0.38-20		0.38	164	0.67			
WGT68-0.40-20		0.4	171	0.7			
WGT68-0.45-20		0.45	187	0.76			
WGT68-0.50-20		0.5	203	0.82			
WGT68-0.60-20		0.6	235	0.94			
WGT68-0.70-20	89	0.7	260	1.03	20	2.3	34CrMo4
WGT89-0.80-20		0.8	195	1.46			
WGT89-1-20		1	230	1.69			
WGT89-1.2-20		1.2	265	1.85			
WGT89-1.4-20		1.4	300	2.13			
WGT89-2-20	89	2	410	2.83	15	2.3	37Mn
WMA89-1-15		1	230	1.72			
WMA89-1.2-15		1.2	267	1.95			
WMA89-1.4-15		1.4	305	2.2			
WMA89-2-15	108	2	415	2.9	15	29	37Mn
WMA108-1.4-15		1.4	240	2.9			
WMA108-1.8-15		1.8	285	3.3			
WMA108-2-15		2	310	3.6			
WMA108-2.2-15		2.2	336	3.9			
WMA108-2.7-15		2.7	400	4.5			
WMA108-3-15		3	437	4.9			
WMA108-3.2-15		3.2	463	5.2			
WMA108-3.4-15		3.4	490	5.4			
WMA108-3.6-15		3.6	515	5.7			
WMA108-4-15		4	565	6.2			
WMA108-4.5-15		4.5	630	6.9			
WMA108-5-15		5	692	7.5			
WMT108-2-15		2	305	3.4			

型号 Type	外径(mm) Outer Diameter	容积(L) Water Capacity	高度(mm) (不含阀门) Height (Without valve)	重量(Kg) (不含阀、帽) Weight (Without valve, cap)	工作压力(Mpa) Working Pressure	设计壁厚(mm) Design Wall Thickness	材料牌号 Material Grades
WMA121-2.8-15	121	2.8	350	4.9	15	3.5	37Mn
WMA121-3-15		3	375	5.2			
WMA121-3.2-15		3.2	390	5.4			
WMA121-3.5-15		3.5	420	5.7			
WMA121-4-15		4	470	6.3			
WMT121-3.2-15		3.2	387	5			
WMT121-4-15		4	477	6.1			
WMA140-3.4-15	140	3.4	321	5.8	15	4.1	37Mn
WMA140-3.6-15		3.6	335	6			
WMA140-4-15		4	365	6.4			
WMA140-5-15		5	440	7.6			
WMA140-6-15		6	515	8.8			
WMA140-6.3-15		6.3	545	9.2			
WMA140-6.5-15		6.5	557	9.4			
WMA140-6.7-15		6.7	567	9.5			
WMA140-7-15		7	595	9.9			
WMA140-7.5-15		7.5	632	10.5			
WMA140-8-15		8	665	11			
WMA140-9-15		9	745	12.2			
WMA140-10-15		10	830	13.5			
WMA140-11-15		11	885	14.3			
WMA140-13.4-15		13.4	1070	17.1			
WMA140-14-15	152	14	1115	17.7	15	4.4	37Mn
WMA152-6-15		6	450	8.5			
WMA152-7-15		7	510	9.5			
WMA152-7.6-15		7.6	550	10.1			
WMA152-8-15		8	585	10.7			
WMA152-10-15		10	700	12.6			
WMA152-15-15		15	1012	17.7			
WMA159-4-15	159	4	320	6.8	15	4.4	37Mn
WMA159-4.5-15		4.5	350	7.3			
WMA159-7-15		7	495	9.8			
WMA159-8-15		8	554	10.8			
WMA159-9-15		9	610	11.7			
WMA159-10-15		10	665	12.7			
WMA159-11-15		11	722	13.7			
WMA159-12-15		12	790	14.8			
WMA159-12.5-15		12.5	802	15			
WMA159-13-15		13	833	15.6			
WMA159-13.4-15		13.4	855	16			
WMA159-13.5-15		13.5	866	16.1			
WMA159-13.7-15		13.7	878	16.3			
WMA159-14-15		14	890	16.5			
WMA159-15-15		15	945	17.5			
WMA159-16-15	180	16	1000	18.4	15	5.3	37Mn
WMA180-8-15		8	480	13.8			
WMA180-10-15		10	570	16.1			
WMA180-12-15		12	660	18.3			
WMA180-15-15		15	790	21.6			
WMA180-20-15		20	1015	27.2			
WMA180-21-15		21	1061	28.3			
WMA180-21.6-15	219	21.6	1087	29	15	5.7	37Mn
WMA180-22.3-15		22.3	1100	29.4			
WMA219-20-15		20	705	27.8			
WMA219-21-15		21	735	28.8			
WMA219-25-15		25	855	32.8			
WMA219-27-15		27	915	34.8			
WMA219-36-15		36	1185	43.9			
WMA219-38-15	267	38	1245	45.9	15	5.8	37Mn
WMA219-40-15		40	1305	47.8			
WMA219-45-15		45	1455	52.9			
WMA219-46.7-15		46.7	1505	54.6			
WMA219-50-15		50	1605	57.9			
WZA267-40-15		40	922	43.3			
WZA267-50-15		50	1119	51.3			
WZA267-60-15	267	60	1316	59.3	15	5.8	37Mn
WZA267-68-15		68	1474	65.7			
WZA267-70-15		70	1513	67.3			
WZA267-80-15		80	1710	75.4			



ISO 9809-3 国际标准钢瓶
ISO 9809-3 Steel gas cylinders

型号 Type	外径(mm) Outer Diameter	容积(L) Water Capacity	高度(mm) (不含阀门) Height (Without valve)	重量(Kg) (不含阀、帽) Weight (Without valve, cap)	工作压力(Mpa) Working Pressure	设计壁厚(mm) Design Wall Thickness	材料牌号 Material Grades
ISO102-1.8-150	102	1.8	325	3.5	150	3	37Mn
ISO102-3-150		3	498	5.2			
ISO102-3.4-150		3.4	555	5.7			
ISO102-4.4-150		4.4	700	7.2			
ISO108-1.4-150	108	1.4	240	2.9	150	3.2	37Mn
ISO108-1.8-150		1.8	285	3.3			
ISO108-2-150		2	310	3.6			
ISO108-3-150		3	437	4.9			
ISO108-3.6-150		3.6	515	5.7			
ISO108-4-150		4	565	6.2			
ISO108-5-150	140	5	692	7.5	150	4.1	37Mn
ISO140-3.4-150		3.4	321	5.8			
ISO140-4-150		4	365	6.4			
ISO140-5-150		5	440	7.6			
ISO140-6-150		6	515	8.8			
ISO140-6.3-150		6.3	545	9.2			
ISO140-6.7-150		6.7	567	9.5			
ISO140-7-150		7	595	9.9			
ISO140-7.5-150		7.5	632	10.5			
ISO140-8-150		8	665	11			
ISO140-9-150		9	745	12.2			
ISO140-10-150		10	830	13.5			
ISO140-11-150		11	885	14.3			
ISO140-13.4-150		13.4	1070	17.1			
ISO140-14-150		14	1115	17.7			
ISO159-7-150	159	7	495	9.8	150	4.7	37Mn
ISO159-8-150		8	554	10.8			
ISO159-9-150		9	610	11.7			
ISO159-10-150		10	665	12.7			
ISO159-11-150		11	722	13.7			
ISO159-12-150		12	790	14.8			
ISO159-12.5-150		12.5	802	15			
ISO159-13-150		13	833	15.6			
ISO159-13.4-150		13.4	855	16			
ISO159-13.7-150		13.7	878	16.3			
ISO159-14-150		14	890	16.5			
ISO159-15-150		15	945	17.5			
ISO159-16-150		16	1000	18.4			
ISO180-8-150	180	8	480	13.8	150	5.3	37Mn
ISO180-10-150		10	570	16.1			
ISO180-12-150		12	660	18.3			
ISO180-15-150		15	790	21.6			
ISO180-20-150		20	1015	27.2			
ISO180-21-150		21	1061	28.3			
ISO180-21.6-150	219	21.6	1087	29	150	6.1	37Mn
ISO180-22.3-150		22.3	1100	29.4			
ISO219-20-150		20	705	27.8			
ISO219-25-150		25	855	32.8			
ISO219-27-150		27	915	34.8			
ISO219-36-150		36	1185	43.9			
ISO219-38-150		38	1245	45.9			
ISO219-40-150		40	1305	47.8			
ISO219-45-150		45	1455	52.9			
ISO219-46.7-150		46.7	1505	54.6			
ISO219-50-150		50	1605	57.9			

ISO 9809-1 国际标准钢瓶
ISO 9809-1 Steel gas cylinders

型号 Type	外径(mm) Outer Diameter	容积(L) Water Capacity	高度(mm) (不含阀门) Height (Without valve)	重量(Kg) (不含阀、帽) Weight (Without valve, cap)	工作压力(Mpa) Working Pressure	设计壁厚(mm) Design Wall Thickness	材料牌号 Material Grades
ISO140-5-210	140	5	445	7	210	3.3	34CrMo4
ISO140-6-210		6	518	8			
ISO140-6.67-210		6.67	566	8.6			
ISO140-7-210		7	590	9			
ISO140-7.5-210		7.5	627	9.5			
ISO140-8-210		8	664	10			
ISO140-9-210		9	737	10.9			
ISO140-10-210		10	810	11.9			
ISO140-11-210		11	883	12.9			
ISO140-13.4-210		13.4	1058	15.2			
ISO140-14-150	232	14	1102	15.8	150	5.3	37Mn
ISO232-25-150		25	772	30			
ISO232-30-150		30	904	34.3			
ISO232-35-150		35	1035	38.6			
ISO232-40-150		40	1167	43			
ISO232-47-150		47	1351	49			
ISO232-50-150	232	50	1430	51.6	200	5.2	34CrMo4
ISO232-52-150		52	1483	53.4			
ISO232-25-200		25	751	31.3			
ISO232-30-200		30	892	35.8			
ISO232-40-200		40	1156	44.9			
ISO232-46.7-200		46.7	1333	51			
ISO232-47-200	232 (TPED)	47	1341	51.3	210	5.5	34CrMo4
ISO232-50-200		50	1420	54			
ISO232-25-210		25	751	31.3			
ISO232-30-210		30	892	35.8			
ISO232-40-210		40	1156	44.9			
ISO232-46.7-210		46.7	1333	51			
ISO232-47-210	267	47	1341	51.3	230	5.8	34CrMo4
ISO232-50-210		50	1420	54			
ISO232-25-230		25	751	31.3			
ISO232-30-230		30	892	35.8			
ISO232-40-230		40	1156	44.9			
ISO232-46.7-230		46.7	1333	51			
ISO232-47-230	267	47	1341	51.3	150	5.8	37Mn
ISO232-50-230		50	1420	54			
ISO267-40-150		40	922	43.3			
ISO267-50-150		50	1119	51.3			
ISO267-60-150		60	1316	59.3			
ISO267-68-150		68	1474	65.7			
ISO267-70-150	267	70	1513	67.3	200	6	34CrMo4
ISO267-80-150		80	1710	75.4			
ISO267-40-200		40	922	43.3			
ISO267-50-200		50	1119	51.3			
ISO267-60-200		60	1316	59.3			
ISO267-66.7-200		66.7	1448	64.7			
ISO267-70-200	267	70	1513	67.3	210	6.2	34CrMo4
ISO267-80-200		80	1710	75.4			
ISO267-40-210		40	922	43.3			
ISO267-50-210		50	1119	51.3			
ISO267-60-210	267	60	1316	59.3	210	6.2	34CrMo4
ISO267-66.7-210		66.7	1448	64.7			
ISO267-70-210		70	1513	67.3			
ISO267-80-210		80	1710	75.4			



JIS B 8241 日本标准钢瓶

JIS B 8241 Japan Steel gas cylinders

型号 Type	外径(mm) Outer Diameter	容积(L) Water Capacity	高度(mm) (不含阀门) Height (Without valve)	重量(Kg) (不含阀、帽) Weight (Without valve, cap)	工作压力(Mpa) Working Pressure	设计壁厚(mm) Design Wall Thickness	材料牌号 Material Grades
JIS89-0.8-200	89Convex	0.8	195	1.46	200	2.3	34CrMo4
JIS89-1-200		1	230	1.69			
JIS89-1.2-200		1.2	265	1.85			
JIS89-1.4-200		1.4	300	2.13			
JIS89-2-200		2	410	2.83			
JIS102-1.8-150	102	1.8	325	3.5	150	3.0	37Mn
JIS102-3-150		3	498	5.2			
JIS102-3.4-150		3.4	555	5.7			
JIS102-4.4-150		4.4	700	7.2			
JIS140-3.4-150	140	3.4	321	5.8	150	4.1	37Mn
JIS140-4-150		4	365	6.4			
JIS140-5-150		5	440	7.6			
JIS140-6-150		6	515	8.8			
JIS140-6.3-150		6.3	545	9.2			
JIS140-6.7-150		6.7	567	9.5			
JIS140-7-150		7	595	9.9			
JIS140-7.5-150		7.5	632	10.5			
JIS140-8-150		8	665	11			
JIS140-9-150		9	745	12.2			
JIS140-10-150		10	830	13.5			
JIS140-11-150		11	885	14.3			
JIS140-13.4-150		13.4	1070	17.1			
JIS140-14-150		14	1115	17.7			
JIS159-7-150	159	7	495	9.8	150	4.4	37Mn
JIS159-8-150		8	554	10.8			
JIS159-9-150		9	610	11.7			
JIS159-10-150		10	665	12.7			
JIS159-11-150		11	722	13.7			
JIS159-12-150		12	790	14.8			
JIS159-12.5-150		12.5	802	15			
JIS159-13-150		13	833	15.6			
JIS159-13.4-150		13.4	855	16			
JIS159-13.7-150		13.7	878	16.3			
JIS159-14-150		14	890	16.5			
JIS159-15-150		15	945	17.5			
JIS159-16-150		16	1000	18.4			
JIS232-25-150	232	25	772	30	150	5.3	37Mn
JIS232-30-150		30	904	34.3			
JIS232-35-150		35	1035	38.6			
JIS232-40-150		40	1167	43			
JIS232-47-150		47	1351	49			
JIS232-50-150		50	1430	51.6			
JIS232-52-150	232	52	1483	53.4	200	5.2	34CrMo4
JIS232-25-200		25	751	31.3			
JIS232-30-200		30	892	35.8			
JIS232-40-200		40	1156	44.9			
JIS232-46.7-200		46.7	1333	51			
JIS232-47-200		47	1340	51.3			
JIS232-50-200	267	50	1420	54	150	6.1	37Mn
JIS267-40-150		40	922	43.3			
JIS267-50-150		50	1119	51.3			
JIS267-60-150		60	1316	59.3			
JIS267-68-150		68	1474	65.7			
JIS267-70-150		70	1513	67.3			
JIS267-80-150		80	1710	75.4			



IS 7285 印度标准钢瓶

IS7285 India Steel gas cylinders

型号 Type	外径(mm) Outer Diameter	容积(L) Water Capacity	高度(mm) (不含阀门) Height (Without valve)	重量(Kg) (不含阀、帽) Weight (Without valve, cap)	工作压力(Mpa) Working Pressure	设计壁厚(mm) Design Wall Thickness	材料牌号 Material Grades
IS 108-1.4-150	108	1.4	240	2.9	150	2.9	37Mn
IS 108-1.8-150		1.8	285	3.3			
IS 108-2-150		2	310	3.6			
IS 108-3-150		3	437	4.9			
IS 108-3.6-150		3.6	515	5.7			
IS 108-4-150		4	565	6.2			
IS 108-5-150		5	692	7.5			
IS 140-3.4-150	140	3.4	321	5.8	150	4.1	37Mn
IS 140-4-150		4	365	6.4			
IS 140-5-150		5	440	7.6			
IS 140-6-150		6	515	8.8			
IS 140-6.3-150		6.3	545	9.2			
IS 140-6.7-150		6.7	567	9.5			
IS 140-7-150		7	595	9.9			
IS 140-7.5-150		7.5	632	10.5			
IS 140-8-150		8	665	11			
IS 140-9-150		9	745	12.2			
IS 140-10-150		10	830	13.5			
IS 140-11-150		11	885	14.3			
IS 140-13.4-150		13.4	1070	17.1			
IS 140-14-150		14	1115	17.7			
IS 159-7-150	159	7	495	9.8	150	4.4	37Mn
IS 159-8-150		8	554	10.8			
IS 159-9-150		9	610	11.7			
IS 159-10-150		10	665	12.7			
IS 159-11-150		11	722	13.7			
IS 159-12-150		12	790	14.8			
IS 159-12.5-150		12.5	802	15			
IS 159-13-150		13	833	15.6			
IS 159-13.4-150		13.4	855	16			
IS 159-13.7-150		13.7	878	16.3			
IS 159-14-150		14	890	16.5			
IS 159-15-150		15	945	17.5			
IS 159-16-150		16	1000	18.4			
IS 232-25-150	232	25	772	30	150	5.3	37Mn
IS 232-30-150		30	904	34.3			
IS 232-35-150		35	1035	38.6			
IS 232-40-150		40	1167	43			
IS 232-47-150		47	1351	49			
IS 232-50-150		50	1430	51.6			
IS 232-52-150	232	52	1483	53.4	200	5.2	34CrMo4
IS 232-25-200		25	751	31.3			
IS 232-30-200		30	892	35.8			
IS 232-40-200		40	1156	44.9			
IS 232-46.7-200		46.7	1333	51			
IS 232-47-200		47	1341	51.3			
IS 232-50-200	267	50	1420	54	150	5.8	37Mn
IS 267-40-150		40	922	43.3			
IS 267-50-150		50	1119	51.3			
IS 267-60-150		60	1316	59.3			
IS 267-68-150		68	1474	65.7			
IS 267-70-150		70	1513	67.3			
IS 267-80-150		80	1710	75.4			

KS B 6210 韩国标准钢瓶

KS B 6210 Korea Steel gas cylinders



型号 Type	外径(mm) Outer Diameter	容积(L) Water Capacity	高度(mm) (不含阀门) Height (Without valve)	重量(Kg) (不含阀、帽) Weight (Without valve, cap)	工作压力(Mpa) Working Pressure	设计壁厚(mm) Design Wall Thickness	材料牌号 Material Grades
KGS102-1.8-150	102	1.8	325	3.5	150	3	37Mn
KGS102-3-150		3	498	5.2			
KGS102-3.4-150		3.4	555	5.7			
KGS102-4.4-150		4.4	700	7.2			
KGS108-1.4-150	108	1.4	240	29	150	3.2	37Mn
KGS108-1.8-150		1.8	285	3.3			
KGS108-2-150		2	310	3.6			
KGS108-3-150		3	437	4.9			
KGS108-5-150	140	5	692	7.5	150	4.1	37Mn
KGS140-3.4-150		3.4	321	5.8			
KGS140-4-150		4	365	6.4			
KGS140-5-150		5	440	7.6			
KGS140-6-150		6	515	8.8			
KGS140-6.3-150		6.3	545	9.2			
KGS140-6.7-150		6.7	567	9.5			
KGS140-7-150		7	595	9.9			
KGS140-7.5-150		7.5	632	10.5			
KGS140-8-150		8	665	11			
KGS140-9-150		9	745	12.2			
KGS140-10-150		10	830	13.5			
KGS140-11-150		11	885	14.3			
KGS140-13.4-150		13.4	1070	17.1			
KGS140-14-150		14	1115	17.7			
KGS159-7-150	159	7	495	9.8	150	4.4	37Mn
KGS159-8-150		8	554	10.8			
KGS159-9-150		9	610	11.7			
KGS159-10-150		10	665	12.7			
KGS159-11-150		11	722	13.7			
KGS159-12-150		12	790	14.8			
KGS159-12.5-150		12.5	802	15			
KGS159-13-150		13	833	15.6			
KGS159-13.4-150		13.4	855	16			
KGS159-13.7-150		13.7	878	16.3			
KGS159-14-150		14	890	16.5			
KGS159-15-150		15	945	17.5			
KGS159-16-150		16	1000	18.4			
KGS232-25-150	232	25	772	30	150	5.3	37Mn
KGS232-30-150		30	904	34.3			
KGS232-35-150		35	1035	38.6			
KGS232-40-150		40	1167	43			
KGS232-47-150		47	1351	49			
KGS232-50-150		50	1430	51.6			
KGS232-52-150	232	52	1483	53.4	200	5.2	34CrMo4
KGS232-25-200		25	751	31.3			
KGS232-30-200		30	892	35.8			
KGS232-40-200		40	1156	44.9			
KGS232-46.7-200		46.7	1333	51			
KGS232-47-200		47	1341	51.3			
KGS267-40-150	267	40	922	43.3	150	5.8	37Mn
KGS267-50-150		50	1119	51.3			
KGS267-60-150		60	1316	59.3			
KGS267-68-150		68	1474	65.7			
KGS267-70-150		70	1513	67.3			
KGS267-80-150		80	1710	75.4			



EN 1964-1 欧州标准钢瓶

EN 1964-1 Europe Steel gas cylinders

型号 Type	外径(mm) Outer Diameter	容积(L) Water Capacity	高度(mm) (不含阀门) Height (Without valve)	重量(Kg) (不含阀、帽) Weight (Without valve, cap)	工作压力(Mpa) Working Pressure	设计壁厚(mm) Design Wall Thickness	材料牌号 Material Grades
EN 140-3.4-150	140(TPED)	3.4	321	5.8	150	4.1	37Mn
EN 140-3.6-150		3.6	335	6			
EN 140-4-150		4	365	6.4			
EN 140-5-150		5	440	7.6			
EN 140-6-150		6	515	8.8			
EN 140-6.3-150		6.3	545	9.2			
EN 140-6.5-150		6.5	557	9.4			
EN 140-6.7-150		6.7	567	9.5			
EN 140-7-150		7	595	9.9			
EN 140-7.5-150		7.5	632	10.5			
EN 140-8-150		8	665	11			
EN 140-9-150		9	745	12.2			
EN 140-10-150		10	830	13.5			
EN 140-11-150		11	885	14.3			
EN 140-13.4-150	159(TPED)	13.4	1070	17.1	150	4.7	37Mn
EN 140-14-150		14	1115	17.7			
EN 159-4-150		4	320	6.8			
EN 159-4.5-150		4.5	350	7.3			
EN 159-7-150		7	495	9.8			
EN 159-8-150		8	554	10.8			
EN 159-9-150		9	610	11.7			
EN 159-10-150		10	665	12.7			
EN 159-11-150		11	722	13.7			
EN 159-12-150		12	790	14.8			
EN 159-12.5-150		12.5	802	15			
EN 159-13-150		13	833	15.6			
EN 159-13.4-150	159(TPED)	13.4	855	16	150	4.7	37Mn
EN 159-13.5-150		13.5	866	16.1			
EN 159-13.7-150		13.7	878	16.3			
EN 159-14-150		14	890	16.5			
EN 159-15-150	159(TPED)	15	945	17.5	150	4.7	37Mn
EN 159-16-150		16	1000	18.4			

C₂H₂ Acetylene cylinder

Medical Oxygen Device



Aluminum gas cylinders

型号 Type	外径(mm) Outer Diameter	容积(L) Water Capacity	高度(mm) (不含阀门) Height (Without valve)	重量(Kg) (不含阀、帽) Weight (Without valve, cap)	工作压力(Mpa) Working Pressure	设计壁厚(mm) Design Wall Thickness
LW-60-0.5-20H	60	0.5	285	0.6	200	3.1
LW-75-0.7-15H	75	0.7	295	0.9	150	4
LW-82-0.7-15H	82	0.7	235	0.9	150	4.2
LW-89-1.0-15H	89	1.0	269	1.2	150	4.5
LW-89-1.4-15H	89	1.4	345	1.4	150	4.5
LW-108-1.0-15H	108	1.0	210	1.3	150	5.5
LW-108-1.4-15H	108	1.4	264	1.6	150	5.5
LW-108-2.0-15H	108	2.0	346	2.1	150	5.5
LW-108-2.5-15H	108	2.5	413	2.5	150	5.5
LW-120-2.0-15H	120	2.0	320	2.7	150	6.1
LW-120-2.5-15H	120	2.5	369	3.0	150	6.1
LW-120-2.8-15H	120	2.8	398	3.2	150	6.1
LW-120-3.2-15H	120	3.2	437	3.5	150	6.1
LW-140-4.0-15H	140	4.0	420	4.2	150	7.1
LW-140-5.0-15H	140	5.0	500	4.9	150	7.1
LW-140-6.0-15H	140	6.0	580	5.6	150	7.1
LW-140-8.0-15H	140	8.0	741	7.2	150	7.1
LW-140-5.0-20H	140	5.0	525	6.3	200	9.3
LW-140-6.0-20H	140	6.0	652	7.98	200	9.3
LW-159-10.0-15H	159	10.0	730	8.8	150	8
LW-184-9.0-20H	184	9.0	575	12.0	200	12.2
LW-184-10.0-20H	184	10.0	620	12.9	200	12.2
LW-184-11.0-20H	184	11.0	665	14.2	200	12.2
LW-184-12.0-20H	184	12.0	710	15.4	200	12.2
LW-203-12-15H	203	12.0	567	11.8	150	10.3
LW-203-15-15H	203	20.0	873	17.0	150	10.3
LW-203-21.3-15H	203	21.3	962	19.9	150	10.3
LW-204-12-20H	204	12.0	610	16.5	200	13.4
LW-204-15-20H	204	15.0	735	18.7	200	13.4
LW-204-20-20H	204	20.0	940	23.4	200	13.4
LW-232-29.5-15H	232	29.5	994	30.2	150	11.7
LW-232-30.3-15H	232	30.0	1010	30.5	150	11.7
LW-232-33.4-15H	232	33.4	1126	31.3	150	11.7
LW-232-40.0-15H	232	40.0	1340	36.5	150	11.7
LW-232-20.0-20H	232	20.0	750	26.9	200	15.4
LW-232-26.0-20H	232	26.0	921	30.7	200	15.4
LW-232-30.0-20H	232	30.0	1076	36.4	200	15.4
LW-232-31.5-20H	232	31.5	1096	38.0	200	15.4
LW-232-40.0-20H	232	40.0	1365	44.1	200	15.4
LW-250-40.0-15H	250	40.0	1150	36.7	150	12.6
LW-250-46.4-15H	250	46.4	1305	38.7	150	12.6
LW-250-47.5-15H	250	47.5	1340	42.0	150	12.6
LW-250-50.0-15H	250	50.0	1590	39.0	200	12.6
LW-250-40.0-20H	250	40.0	1227	46.3	200	16.5
LW-250-50.0-20H	250	50.0	1500	56.0	200	16.5

QF&CGA 阀门系列

QF&CGA series of Valve



LO2, LN2, LAr Cryogenic Tank
(Vertical type)



LO₂, LN₂, LAR Cryogenic Tank
(Vacuum Powder Heat Insulation)

Type	Model	Effective Volume M ³	Working Pressure Mpa	Static Evaporation per Day %/d			Weight Kg		Size mm Diameter×Length×Thickness
				Lo ²	LN ²	Lar	Inner tank	Total weight	
Vertical type	DSWV-5/0.8	5	0.8	0.43	0.65	0.46	1040	4430	Inner Tank: 1400×3680×6 Outer Tank: 1900×5115×8
	DSWV-5/1.6	5	1.6	0.43	0.65	0.46	1600	5050	Inner Tank: 1400×3680×10 Outer Tank: 1900×5115×8
	DSWV-10/0.8	10	0.8	0.36	0.55	0.38	1980	7230	Inner Tank: 1700×4950×8 Outer Tank: 2200×6400×8
	DSWV-10/1.6	10	1.6	0.36	0.55	0.38	3020	8260	Inner Tank: 1700×4950×12 Outer Tank: 2200×6400×8
	DSWV-15/0.8	15	0.8	0.35	0.53	0.37	2735	9080	Inner Tank: 1900×5950×8 Outer Tank: 2400×7330×8
	DSWV-15/1.6	15	1.6	0.35	0.53	0.37	4460	10910	Inner Tank: 1900×5950×14 Outer Tank: 2400×7330×8
	DSWV-20/0.8	20	0.8	0.33	0.5	0.35	3575	11010	Inner Tank: 2100×6465×8/10 Outer Tank: 2600×7955×8
	DSWV-20/1.6	20	1.6	0.33	0.5	0.35	5530	12965	Inner Tank: 2100×6465×14 Outer Tank: 2600×7955×8
	DSWV-30/0.8	30	0.8	0.29	0.44	0.31	5300	16440	Inner Tank: 2400×7410×10 Outer Tank: 3000×8930×10
	DSWV-30/1.6	30	1.6	0.29	0.44	0.31	8300	19510	Inner Tank: 2400×7410×16 Outer Tank: 3000×8930×10
	DSWV-50/0.8	50	0.8	0.23	0.35	0.24	8705	25870	Inner Tank: 2600×10380×10/12 Outer Tank: 3200×12000×12
	DSWV-50/1.6	50	1.6	0.23	0.35	0.24	14045	31210	Inner Tank: 2600×10380×18/20 Outer Tank: 3200×12000×12
	DSWV-100/0.8	100	0.8	0.16	0.25	0.17	16140	48765	Inner Tank: 3000×15425×12/14 Outer Tank: 3600×172600×14
	DSWV-100/1.6	100	1.6	0.16	0.25	0.17	27570	60200	Inner Tank: 3000×15425×22 Outer Tank: 3600×17260×14

LO2, LN2, LAr Cryogenic Tank
(Horizontal type)



LO₂, LN₂, LAR Cryogenic Tank
(Vacuum Powder Heat Insulation) main specification

Design pressure	Inner tank	0.84/1.68	Working Pressure	Inner tank	0.8/1.6	Temperature °C	Inner tank	-196
MPa	Outer tank	-0.1	MPa	Outer tank	3Pa		Outer tank	50
Loading Medium	Inner tank	LO2, LN2, LAR	Material	Inner tank	06Cr19Ni10	Test pressure Mpa	Inner tank	1.1/2.0
	Interlayer	Brilliant Expansion Perlite		Outer tank	Q235-B	Leak test	Interlayer	helium test

LO₂, LN₂, LAR Cryogenic Tank (Vacuum Powder Heat Insulation)

Type	Model	Effective Volume M ³	Working Pressure Mpa	Static Evaporation per Day %/d			Weight Kg		Size mm Diameter×Length×Thickness
				Lo ²	LN ²	Lar	Inner tank	Total weight	
Horizontal type	DSWH-5/0.8	5	0.8	0.43	0.65	0.46	1000	4490	Inner Tank: 1400×3680×6 Outer Tank: 1900×4980×8
	DSWH-5/1.6	5	1.6	0.43	0.65	0.46	1550	5100	Inner Tank: 1400×3680×10 Outer Tank: 1900×4980×8
	DSWH-10/0.8	10	0.8	0.36	0.55	0.38	1920	7510	Inner Tank: 1700×4950×8 Outer Tank: 2200×6250×8
	DSWH-10/1.6	10	1.6	0.36	0.55	0.38	3040	8550	Inner Tank: 1700×4950×12 Outer Tank: 2200×6250×8
	DSWH-15/0.8	15	0.8	0.35	0.53	0.37	2650	9450	Inner Tank: 1900×5950×8 Outer Tank: 2400×7150×8
	DSWH-15/1.6	15	1.6	0.35	0.53	0.37	4380	11250	Inner Tank: 1900×5950×14 Outer Tank: 2400×7150×8
	DSWH-20/0.8	20	0.8	0.33	0.5	0.35	3350	11350	Inner Tank: 2100×6465×8/10 Outer Tank: 2600×7830×8
	DSWH-20/1.6	20	1.6	0.33	0.5	0.35	4950	13400	Inner Tank: 2100×6465×14 Outer Tank: 2600×7830×8
	DSWH-30/0.8	30	0.8	0.29	0.44	0.31	5210	17400	Inner Tank: 2400×7410×10 Outer Tank: 3000×8750×10
	DSWH-30/1.6	30	1.6	0.29	0.44	0.31	8180	20400	Inner Tank: 2400×7410×16 Outer Tank: 3000×8750×10
	DSWH-50/0.8	50	0.8	0.23	0.35	0.24	8000	26150	Inner Tank: 2600×10380×10 Outer Tank: 3200×11780×12
	DSWH-50/1.6	50	1.6	0.23	0.35	0.24	13535	31750	Inner Tank: 2600×10380×18 Outer Tank: 3200×11750×12
	DSWH-100/0.8	100	0.8	0.16	0.25	0.17	14740	45900	Inner Tank: 3000×15425×12/14 Outer Tank: 3500×16870×14
	DSWH-100/1.6	100	1.6	0.16	0.25	0.17	27070	58225	Inner Tank: 3000×15425×22 Outer Tank: 3600×16870×14

LCO₂ Cryogenic Tank
(Vertical type)



LCO₂ Cryogenic Tank
(Vacuum Powder Heat Insulation) main specification

Design pressure	Inner tank	2.3	Working Pressure	Inner tank	2.16	Temperature °C	Inner tank	-40
MPa	Outer tank	-0.1	MPa	Outer tank	3Pa		Outer tank	50
Loading Medium	Inner tank	LCO2	Material	Inner tank	16 MnDR	Test pressure Mpa	Inner tank	2.65
	Interlayer	Brilliant Expansion Perlite		Outer tank	Q235-B	Leak test	Interlayer	helium test

LCO₂ Cryogenic Tank
(Vacuum Powder Heat Insulation)

Type	Model	Effective Volume	Working Pressure	Inner tank size (mm)	Weight kg		Size mm
		M3	Mpa	Diameter×Length ×Thickness	Inner tank weight	Total weight	Diameter×Length ×Thickness
Vertical type	DSWV-5/2.16	5	2.16	Φ1400×3680×12	1000	4490	Φ1900×4980×8
	DSWV-10/2.16	10	2.16	Φ1700×4960×14	1550	5100	Φ1900×4980×8
	DSWV-15/2.16	15	2.16	Φ1900×5920×14	1920	7510	Φ2200×6250×8
	DSWV-20/2.16	20	2.16	Φ2000×7075×6	3040	8550	Φ2200×6250×8
	DSWV-30/2.16	30	2.16	Φ2400×7460×18	2650	9450	Φ2400×7150×8
	DSWV-50/2.16	50	2.16	Φ2600×10395×20	4380	11250	Φ2400×7150×8
	DSWV-100/2.16	100	2.16	Φ3000×154525×24	3350	11350	Φ2600×7830×8

LNG Cryogenic Tank
(Vertical type)



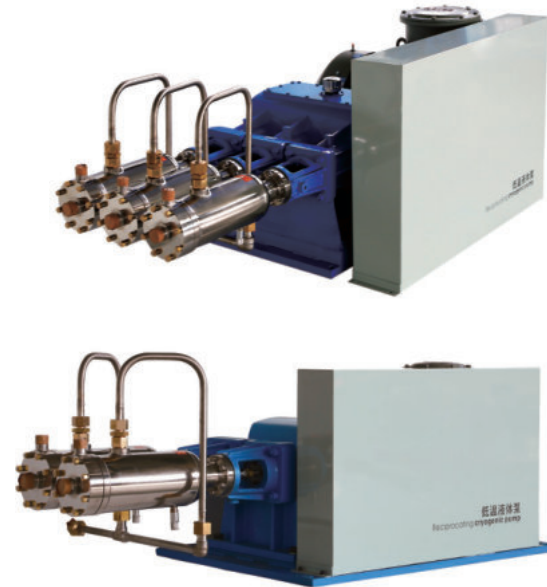
LNG Cryogenic Tank
(Vacuum Powder Heat Insulation) main specification

Design pressure	Inner tank	0.84	Working Pressure	Inner tank	0.8	Temperature °C	Inner tank	-196
MPa	Outer tank	-0.1	MPa	Inner tank	3Pa		Outer tank	50
Loading Medium	Inner tank	LCO2	Material	Inner tank	16?MnDR	Test pressure Mpa	Inner tank	1.1
	Interlayer	Brilliant Expansion Perlite		Outer tank	Q235-B	Leak test	Interlayer	helium test

LNG Cryogenic Tank
(Vacuum Powder Heat Insulation)

Type	Model	Effective Volume	Working Pressure	Static Evaporation Per Day%/d	Weight kg		Size mm Diameter×Length×Thickness
		M3	Mpa		Inner tank	Total weight	
Vertical type	DSWV-5/0.8	5	0.8	0.65	1040	4430	Inner Tank : Φ1400×3680×6 Outer Tank : Φ1900×5115×8
	DSWV-10/0.8	10	0.8	0.55	1980	7230	Inner Tank : Φ1700×4950×8 Outer Tank : Φ2200×6400×8
	DSWV-15/0.8	15	0.8	0.53	2735	9080	Inner Tank : Φ1900×5905×8 Outer Tank : Φ2400×7330×8
	DSWV-20/0.8	20	0.8	0.5	3575	11010	Inner Tank : Φ2100×6465×8/10 Outer Tank : Φ2600×7955×8
	DSWV-30/0.8	30	0.8	0.44	5300	16440	Inner Tank : Φ2400×7410×10 Outer Tank : Φ3000×8930×10
	DSWV-50/0.8	50	0.8	0.35	8705	25870	Inner Tank : Φ2600×10380×10/12 Outer Tank : Φ32000×12000×12
	DSWV-100/0.8	100	0.8	0.25	16140	48765	Inner Tank : Φ3000×15425×12/14 Outer Tank : Φ3600×17260×14

Scope of application



Scope of application

Complete Equipment (skid Mounted)



Ambient Vaporizer



Scope of application

CNG-2 车用压缩天然气钢瓶内胆环向缠绕气瓶(Q/BNS002-2012)
CNG-2 Composite Hoop-Wrapped Cylinder for Vehicle(Q/BNS002-2012)



序号 No.	产品型号 Model No.	外径 Outer Diameter (mm)	容积 Capacity (L)	长度 Length Without Valve (mm)	重量 Weight (Kg)	设计壁厚 Thickness (mm)	压力		材质 Material
							工作压力 Working (Mpa)	测试压力 Test (Mpa)	
1	CNP20-40-267A	267	40	930	941	6.1	20	30	34CrMo4
2	CNP20-60-267A		60	1320	58				
3	CNP20-50-279A		50	1045	52				
4	CNP20-60-279A	279	60	1225	60	6.4	20	30	34CrMo4
5	CNP20-70-279A		70	1400	68				
6	CNP20-80-279A		80	1585	76				
7	CNP20-100-279A	325	100	1945	92	7.0	20	30	34CrMo4
8	CNP20-50-325A		50	815	54				
9	CNP20-55-325A		55	880	58				
10	CNP20-57-325A	325	57	905	60	7.0	20	30	34CrMo4
11	CNP20-60-325A		60	945	62				
12	CNP20-62-325A		62	975	63				
13	CNP20-65-325A	325	65	1015	66	7.0	20	30	34CrMo4
14	CNP20-68-325A		68	1050	68				
15	CNP20-70-325A		70	1080	70				

序号 No.	产品型号 Model No.	外径 Outer Diameter (mm)	容积 Capacity (L)	长度 Length Without Valve (mm)	重量 Weight (Kg)	设计壁厚 Thickness (mm)	压力		材质 Material
							工作压力 Working (Mpa)	测试压力 Test (Mpa)	
16	CNP20-73-325A	325	73	1120	72	7.0	20	30	34CrMo4
17	CNP20-75-325A		75	1145	73				
18	CNP20-77-325A		77	1170	75				
19	CNP20-80-325A	325	80	1210	77	7.0	20	30	34CrMo4
20	CNP20-85-325A		85	1280	81				
21	CNP20-90-325A		90	1345	85				
22	CNP20-95-325A	325	95	1410	89	7.0	20	30	34CrMo4
23	CNP20-100-325A		100	1475	92				
24	CNP20-105-325A		105	1540	96				
25	CNP20-110-325A	325	110	1610	100	7.0	20	30	34CrMo4
26	CNP20-115-325A		115	1675	104				
27	CNP20-120-325A		120	1740	108				
28	CNP20-60-356A	356	60	820	66	7.5	20	30	34CrMo4
29	CNP20-65-356A		65	875	69				
30	CNP20-70-356A		70	930	73				
31	CNP20-75-356A	356	75	985	76	7.5	20	30	34CrMo4
32	CNP20-80-356A		80	1040	80				
33	CNP20-90-356A		90	1150	87				
34	CNP20-100-356A	356	100	1260	94	7.5	20	30	34CrMo4
35	CNP20-120-356A		120	1480	108				
36	CNP20-125-356A		125	1535	112				
37	CNP20-130-356A	356	130	1590	115	7.5	20	30	34CrMo4
38	CNP20-140-356A		140	1700	122				
39	CNP20-145-356A		145	1755	125				
40	CNP20-150-356A	356	150	1810	129	7.5	20	30	34CrMo4
41	CNP20-80-406A		80	850	86				
42	CNP20-90-406A		90	930	93				
43	CNP20-100-406A	406	100	1020	101	8.0	20	30	34CrMo4
44	CNP20-110-406A		110	1105	108				
45	CNP20-120-406A		120	1190	116				
46	CNP20-130-406A	406	130	1275	123	8.0	20	30	34CrMo4
47	CNP20-140-406A		140	1360	131				
48	CNP20-145-406A		145	1400	135				
49	CNP20-151-406A	406	151	1450	139	8.0	20	30	34CrMo4
50	CNP20-160-406A		160	1530	146				
51	CNP20-160-406A		165	1570	150				
52	CNP20-180-406A	406	180	1695	161	8.0	20	30	34CrMo4
53	CNP20-200-406A		200	1865	176				

CNG-1 汽车用压缩天然气钢瓶(ISO11439:2000)
CNG-1 Steel Cylinder for Vehicle(ISO11439:2000)

序号 No.	产品型号 Model No.	外径 Outer Diameter (mm)	容积 Capacity (L)	长度 Length Without Valve (mm)	重量 Weight (Kg)	设计壁厚 Thickness (mm)	压力		材质 Material
							工作压力 Working (Mpa)	测试压力 Test (Mpa)	
1	CNG2-G-325-45-20BI		45	725	36				
2	CNG2-G-325-50-20BI		50	790	39				
3	CNG2-G-325-55-20BI		55	855	42				
4	CNG2-G-325-60-20BI		60	920	45				
5	CNG2-G-325-65-20BI	325	65	985	48	4.5	20	30	30CrMo4
6	CNG2-G-325-70-20BI		70	1050	51				
7	CNG2-G-325-75-20BI		75	1115	54				
8	CNG2-G-325-80-20BI		80	1180	57				
9	CNG2-G-325-90-20BI		90	1305	63				
10	CNG2-G-325-100-20BI		100	1435	69				
11	CNG2-G-325-120-20BI		120	1690	81				
12	CNG2-G-356-60-20BI		60	795	49				
13	CNG2-G-356-63-20BI		63	825	51				
14	CNG2-G-356-65-20BI		65	850	52				
15	CNG2-G-356-70-20BI		70	900	55				
16	CNG2-G-356-75-20BI		75	955	59				
17	CNG2-G-356-78-20BI		78	985	60				
18	CNG2-G-356-80-20BI		80	1010	61				
19	CNG2-G-356-83-20BI		83	1040	64				
20	CNG2-G-356-85-20BI		85	1060	65				
21	CNG2-G-356-90-20BI		90	1115	68				
22	CNG2-G-356-96-20BI	356	96	1180	72	5.0	20	30	30CrMo4
23	CNG2-G-356-100-20BI		100	1220	74				
24	CNG2-G-356-102-20BI		102	1240	75				
25	CNG2-G-356-108-20BI		108	1305	79				
26	CNG2-G-356-110-20BI		110	1325	80				
27	CNG2-G-356-115-20BI		115	1380	84				
28	CNG2-G-356-120-20BI		120	1435	88				
29	CNG2-G-356-130-20BI		130	1540	94				
30	CNG2-G-356-135-20BI		135	1595	97				
31	CNG2-G-356-140-20BI		140	1645	101				
32	CNG2-G-356-145-20BI		145	1700	103				
33	CNG2-G-356-150-20BI		150	1755	107				
34	CNG2-G-408-82-20BI		82	840	66				
35	CNG2-G-408-85-20BI		85	865	68				
36	CNG2-G-408-87-20BI	406	87	885	69	5.7	20		30CrMo4
37	CNG2-G-408-90-20BI		90	905	71				
38	CNG2-G-408-100-20BI		100	990	76				

序号 No.	产品型号 Model No.	外径 Outer Diameter (mm)	容积 Capacity (L)	长度 Length Without Valve (mm)	重量 Weight (Kg)	设计壁厚 Thickness (mm)	压力		材质 Material
							工作压力 Working (Mpa)	测试压力 Test (Mpa)	
39	CNG2-G-408-101-20BI		101	995	77				
40	CNG2-G-408-110-20BI		110	1070	83				
41	CNG2-G-408-120-20BI		120	1155	89				
42	CNG2-G-408-130-20BI		130	1235	95				
43	CNG2-G-408-140-20BI		140	1315	101				
44	CNG2-G-408-145-20BI	406	145	1355	104	5.7	20	30	30CrMo
45	CNG2-G-408-150-20BI		150	1400	108				
46	CNG2-G-408-160-20BI		160	1480	114				
47	CNG2-G-408-170-20BI		170	1560	120				
48	CNG2-G-408-180-20BI		180	1645	126				
49	CNG2-G-408-195-20BI		195	1765	135				
50	CNG2-G-408-200-20BI		200	1805	138				
51	CNG2-G-408-205-20BI		205	1845	141				
52	CNG2-G-408-212-20BI		212	1905	145				

CNG-1 汽车用压缩天然气钢瓶(GB17258-2011)
CNG-1 Steel Cylinder for Vehicle(GB17258-2011)

序号 No.	产品型号 Model No.	外径 Outer Diameter (mm)	容积 Capacity (L)	长度 Length Without Valve (mm)	重量 Weight (Kg)	设计壁厚 Thickness (mm)	压力		材质 Material
							工作压力 Working (Mpa)	测试压力 Test (Mpa)	
1	CNG1-279-50-20T		50	1065	60				
2	CNG1-279-70-20T	279	70	1435	80	7.6	220	230	230CrMo
3	CNG1-279-80-20T		80	1620	89				
4	CNG1-325-55-20T		55	900	69				
5	CNG1-325-60-20T		60	965	74				
6	CNG1-325-65-20T		65	1035	79				
7	CNG1-325-70-20T		70	1100	84				
8	CNG1-325-75-20T		75	1170	89				
9	CNG1-325-80-20T	325	80	1240	94	8.8	320	330	30CrMo
10	CNG1-325-85-20T		85	1305	98				
11	CNG1-325-90-20T		90	1375	103				
12	CNG1-325-100-20T		100	1510	113				
13	CNG1-325-110-20T		110	1645	122				
14	CNG1-325-120-20T		120	1775	131				

CNG-2 车用压缩天然气钢质内胆环向缠绕气瓶(GB24160-2009)
CNG-2 Composite Hoop-Wrapped Cylinder for Vehicle(GB24160-2009)

序号 No.	产品型号 Model No.	外径 Outer Diameter (mm)	容积 Capacity (L)	长度 Length Without Valve (mm)	重量 Weight (Kg)	设计壁厚 Thickness (mm)	压力		材质 Material
							工作压力 Working (Mpa)	测试压力 Test (Mpa)	
1	CNG2-G-325-45-20B	325	45	735	40	4.9	20	30	30CrMo4
2	CNG2-G-325-50-20B		50	800	43				
3	CNG2-G-325-55-20B		55	865	46				
4	CNG2-G-325-60-20B		60	925	49				
5	CNG2-G-325-65-20B	325	65	990	52				
6	CNG2-G-325-70-20B		70	1055	55				
7	CNG2-G-325-75-20B		75	1120	58				
8	CNG2-G-325-80-20B		80	1185	61				
9	CNG2-G-325-90-20B		90	1315	68				
10	CNG2-G-325-100-20B		100	1440	74				
11	CNG2-G-325-120-20B		120	1695	87				
12	CNG2-G-356-60-20B	356	60	800	54				
13	CNG2-G-356-65-20B		65	855	57				
14	CNG2-G-356-70-20B		70	905	61				
15	CNG2-G-356-75-20B		75	960	65				
16	CNG2-G-356-80-20B	356	80	1015	68	5.4	20	30	
17	CNG2-G-356-85-20B		85	1070	71				
18	CNG2-G-356-90-20B		90	1125	74				
19	CNG2-G-356-100-20B		100	1230	81				
20	CNG2-G-356-120-20B		120	1445	94				
21	CNG2-G-356-130-20B		130	1550	100				
22	CNG2-G-356-135-20B		135	1600	104				
23	CNG2-G-356-140-20B		140	1660	107				
24	CNG2-G-356-145-20B		145	1715	110				
25	CNG2-G-356-150-20B		150	1770	114				
26	CNG2-G-406-82-20B	406	82	840	71				
27	CNG2-G-406-85-20B		85	870	73	6.1	20	30	30CrMo4
28	CNG2-G-406-87-20B		87	885	74				
29	CNG2-G-406-90-20B		90	910	76				
30	CNG2-G-406-100-20B		100	990	82				
31	CNG2-G-406-110-20B		110	1075	89				
32	CNG2-G-406-120-20B		120	1160	95				
33	CNG2-G-406-130-20B		130	1240	101				
34	CNG2-G-406-140-20B		140	1320	107				
35	CNG2-G-406-145-20B		145	1365	111				
36	CNG2-G-406-150-20B		150	1405	114				
37	CNG2-G-406-160-20B		160	1490	121				
38	CNG2-G-406-170-20B		170	1570	127				

序号 No.	产品型号 Model No.	外径 Outer Diameter (mm)	容积 Capacity (L)	长度 Length Without Valve (mm)	重量 Weight (Kg)	设计壁厚 Thickness (mm)	压力		材质 Material
							工作压力 Working (Mpa)	测试压力 Test (Mpa)	
39	CNG2-G-406-180-20B		180	1655	133				
40	CNG2-G-406-195-20B		195	1780	143				
41	CNG2-G-406-200-20B	406	200	1820	146	6.1	20	30	30CrMo
42	CNG2-G-406-205-20B		205	1860	149				
43	CNG2-G-406-212-20B		212	1920	152				



CNG-2 车用压缩天然气钢质内胆环向缠绕气瓶(ISO11439:2000)
CNG-2 Composite Hoop-Wrapped Cylinder for Vehicle(ISO11439:2000)

序号 No.	产品型号 Model No.	外径 Outer Diameter (mm)	容积 Capacity (L)	长度 Length Without Valve (mm)	重量 Weight (Kg)	设计壁厚 Thickness (mm)	压力		材质 Material
							工作压力 Working (Mpa)	测试压力 Test (Mpa)	
1	CNG2-G-325-45-20B	325	45	735	40	4.9	20	30	30CrMo4
2	CNG2-G-325-50-20B		50	800	43				
3	CNG2-G-325-55-20B		55	865	46				
4	CNG2-G-325-60-20B		60	925	49				
5	CNG2-G-325-65-20B		65	990	52				
6	CNG2-G-325-70-20B		70	1055	55				
7	CNG2-G-325-80-20B	356	80	1185	61	5.4	20	30	30CrMo4
8	CNG2-G-325-90-20B		90	1315	68				
9	CNG2-G-325-100-20B		100	1445	74				
10	CNG2-G-325-120-20B		120	1695	87				
11	CNG2-G-356-60-20B		60	800	54				
12	CNG2-G-356-65-20B		65	855	57				
13	CNG2-G-356-70-20B	406	70	905	61	6.1	20	30	30CrMo4
14	CNG2-G-356-75-20B		75	960	65				
15	CNG2-G-356-80-20B		80	1015	68				
16	CNG2-G-356-90-20B		90	1130	74				
17	CNG2-G-356-100-20B		100	1245	81				
18	CNG2-G-356-120-20B		120	1445	94				
19	CNG2-G-356-135-20B	406	135	1600	104	6.1	20	30	30CrMo4
20	CNG2-G-356-140-20B		140	1660	107				
21	CNG2-G-356-145-20B		145	1715	110				
22	CNG2-G-356-150-20B		150	1770	114				
23	CNG2-G-406-82-20B		82	840	71				
24	CNG2-G-406-90-20B		90	910	76				
25	CNG2-G-406-100-20B	406	100	990	82	6.1	20	30	30CrMo4
26	CNG2-G-406-110-20B		110	1075	89				
27	CNG2-G-406-120-20B		120	1160	95				
28	CNG2-G-406-130-20B		130	1240	101				
29	CNG2-G-406-140-20B		140	1320	107				
30	CNG2-G-406-145-20B		145	1365	111				
31	CNG2-G-406-150-20B	406	150	1405	114	6.1	20	30	30CrMo4
32	CNG2-G-406-170-20B		170	1570	127				
33	CNG2-G-406-180-20B		180	1655	133				
34	CNG2-G-406-195-20B		195	1780	143				
35	CNG2-G-406-200-20B		200	1820	146				

Cryogenic Automobile
Welding Insulated Cylinders



型号 Type	DSW550-275-1.6	DSW550-365-1.6	DSW600-450-1.6
公称容积 Geometric Volume (L)	275	365	450
有效容积 Effective Volume (L)	245	328	405
介质 Medium	LNG	LNG	LNG
最大允许充装重量 Max loading(Kg)	105	140	172
最高工作压力Max Working Pressure (Mpa)	1.6	1.6	1.6
一级安全阀开启压力 1st Safety Valve Oren Pressuse (Mpa)	1.6	1.6	1.6
二级安全阀开启压力 2nd Safety Valve Oren Pressuse (Mpa)	2.4	2.4	2.4
蒸发率 (液氮) Evaporation Rate	≤2.2%	≤2.15%	≤2.1%
规格尺寸 Size mm	606×1594	606×1882	606×1951
净重 (含固定支架) Net Weight (Kg)	≈190	≈237	≈283
液位计 Liquid Level Gauge	电容式Capacitive	电容式Capacitive	电容式Capacitive
表面处理 Surface	抛光Polishing	抛光Polishing	抛光Polishing
支座结构 Carrier Tpye	鞍座式 (可按需配置) saddle (equiped as needed)		

Cryogenic Automobile
Welding Insulated Cylinders



Premium Liquid Cylinders-footring



型号 Type		DSW-175/1.4	DSW-175/2.0	DSW-195/1.4	DSW-195/2.0	DSW-210/1.4	DSW-210/2.0
规格尺寸 Size mm(外径x长度)		506×1485	506×1485	506×1620	506×1620	506×1725	506×1725
净重 Net Weight(Kg)		≈111	≈125	≈116	≈132	≈125	≈141
工作压力Service PressureWP(Mpa)		1.4	2.0	1.4	2.0	1.4	2
安全阀起跳压力 Safety Valve Open Pressure(Mpa)		1.6	2.4	1.6	2.4	1.6	2.4
爆破压力 Bust Pressure of Rupture of Disc(Mpa)		2.6	3.6	2.6	3.6	2.6	3.6
增压调节 Pressure Regulator		0.27-1.10	0.55-2.2.	0.27-1.10	0.55-2.20	0.27-1.10	0.55-2.20
几何面积 Geometric Volume L		175	175	195	195	210	210
有效面积 Effective Volume L		160	160	180	180	195	195
最大允许充装 重量 (Kg) Max loading	液氧LO2	177	173	197	197	214	214
	液氩LAr	217	212	241	241	261	261
	液氮LN2	126	123	140	140	152	152
	二氧化碳CO2	/	154	/	/	/	/
	LNG	66	/	73	/	/	/
气体输送速率Gas Transportation Rate		连续(Continuous)：9.2M3/h,间断(Discontinuous)：40M3/h（约五分钟内）（也可直接供液）					
液位计型式 Liquid Level Gauge Type		浮标式(Buoy)					
表面状况 Surface		不锈钢外壳整体抛光 Stainless steel,Polishing					

阀门配置

名称 Name	型号 Type	产地
液体进出口阀 Inlet/Outlet Valve	9464DA	美国 Rego
用气阀 Gas Valve	9464DA	美国 Rego
放空兼测满阀 Vent Valve	9464DA	美国 Rego
增压阀 Pressure Building	9464DA	美国 Rego
组合阀 Combined Valve	RE-REG11	美国 Rego

Low Temperature Small Containers



Specifications	DSWS-1/1.6	DSWS-1/2.6	DSWS-1/3.4	DSW-1/1.6	DSWS-1/2.2	DSWS-2/1.6	DSWS-2/2.6	DSWS-2/3.4	DSWS-2/1.6	DSWS-2/2.2
Pressure rating	Low pressure	Medium pressure	Medium pressure	Low pressure	Medium pressure	Low pressure	Medium pressure	Medium pressure	Low pressure	Medium pressure
Surface treatment	Polish	Polish	Polish	Polish	Polish	Polish	Polish	Polish	Polish	Polish
Thermal-insulating type	High vacuum multi-layers thermal-insulating									
Base-support structure	Stainless steel bearing suitable for forklift usage									
Total volume(m³)	1.06	1.06	1.06	1.11	1.06	2.1	2.1	2.1	2.22	2.1
Effective volume(m³)	1	1	1	1	1	2	2	2	2	2
Maximum working pressure(Mpa)	1.6	2.6	3.4	1.6	2.2	1.6	2.6	3.4	1.6	2.2
Design standard	GB/T 150.1-GB 150.4-2011;Q/NMHJ 20-2014 Q/NMHJ 20-2014 《Fixed vacuum insulated cryogenic pressure vessel for strain-strengthening of austenitic stainless steel》									
Medium and maximum loading weight	LO ₂ (KG)	1140	1140	1140	/	/	2280	2280	2280	/
	LN ₂ (KG)	810	810	810	/	/	1620	1620	1620	/
	LAr(KG)	1410	1410	1410	/	/	2820	2820	2820	/
	LCO ₂ (KG)	/	/	/	/	1029	/	/	/	2058
	LNG(KG)	/	/	/	426	/	/	/	850	/
Evaporation(LN ₂)	≤0.8%	≤0.8%	≤0.8%	≤0.8%	≤0.8%	≤0.7%	≤0.7%	≤0.7%	≤0.7%	≤0.7%
Capacity(Nm³/h)	30	30	30	30	30	35	35	35	35	35
Weight of empty storage tank(KG)	1148 1198	1104 1163	1230 1289	1156 1225	1225 1300	1560 1720	1645 1800	1870 2000	1620 1750	1830 1980
Dimension(mm)	1515*1480*2444	1515*1480*2444	1515*1480*2444	1515*1480*2444	1515*1480*2444	1840*1840*2680	1840*1840*2680	1840*1840*2680	1840*1840*2680	1840*1840*2680

Specifications	DSWS-3/1.6	DSWS-3/2.6	DSWS-3/3.4	DSWS-3/1.6	DSWS-3/2.2	DSWS-5/1.6	DSWS-5/2.5	DSWS-5/3.4	DSWS-5/1.6	DSWS-5/2.2
Pressure rating	Low pressure	Medium pressure	Medium pressure	Low pressure	Medium pressure	Low pressure	Medium pressure	Medium pressure	Low pressure	Medium pressure
Surface treatment	Polish	Polish	Polish	Polish	Polish	Polish	Polish	Polish	Polish	Polish
Thermal-insulating type	High vacuum multi-layers thermal-insulating									
Base-support structure	Stainless steel bearing suitable for forklift usage									
Total volume(m³)	3.18	3.18	3.18	3.34	3.18	5.27	5.27	5.27	5.56	5.27
Effective volume(m³)	3	3	3	3	3	5	5	5	5	5
Maximum working pressure(Mpa)	1.6	2.6	3.4	1.6	2.2	1.6	2.5	3.4	1.6	2.2
Design standard	GB/T 150.1-GB 150.4-2011;Q/NMHJ 20-2014 Q/NMHJ 20-2014 《Fixed vacuum insulated cryogenic pressure vessel for strain-strengthening of austenitic stainless steel》									
Medium and maximum loading weight	LO ₂ (KG)	3420	3420	3420	/	/	5700	5700	5700	/
	LN ₂ (KG)	2430	2430	2430	/	/	4050	4050	4050	/
	LAr(KG)	4230	4230	4230	/	/	7050	7050	7050	/
	LCO ₂ (KG)	/	/	/	/	3087	/	/	/	5145
	LNG(KG)	/	/	/	1278	/	/	/	2130	/
Evaporation(LN ₂)	≤0.6%	≤0.6%	≤0.6%	≤0.6%	≤0.6%	≤0.45%	≤0.45%	≤0.45%	≤0.45%	≤0.45%
Capacity(Nm³/h)	40	40	40	40	40	60	60	60	60	60
Weight of empty storage tank(KG)	2005 2180	2139 2310	2379 2550	2049 2223	2550 2715	3345 3630	3595 3895	3345 3630	4039 4324	4153 4440
Dimension(mm)	2040*2040*2940	2040*2040*2940	2040*2040*2940	2040*2040*2940	2040*2040*2940	2500*2500*3060	2500*2500*3060	2500*2500*3060	2500*2500*3060	2500*2500*3060

Cryogenic Tank Container



名称	DSW20-1.7型	DSW16-1.6型	DSW20-2.4型	DSW40-0.77型	DSW18-0.8型	DSW18-1.76型	DSW14-2.4型	DSW14-1型	DSW19-2.4型	DSW20-2.4型
	低温液体罐式集装箱	低温液体罐式集装箱	液体二氧化碳罐式集装箱	天然气罐式集装箱	低温液体罐式集装箱	低温液体罐式集装箱	低温液体罐式集装箱	低温液体罐式集装箱	低温液体罐式集装箱	食品级液体二氧化碳罐式集装箱
设计压力(Mpa)	1.7	1.6	2.4	0.77	0.8	1.76	2.4	1	2.4	2.4
几何容积m³	20	16	20	40	18	18	14	14	19	20
主要材质	Q345R	O6Cr19Ni10/Q345R	16MnDR/Q345R	O6Cr19Ni10/Q345R	O6Cr19Ni10/Q345R	O6Cr19Ni10/Q345R	16MnDR/Q345R	O6Cr19Ni10/Q345R	O6Cr19Ni10/Q345R	O6Cr19Ni10/Q345R
绝热形式	高真空多层绝热	真空粉末绝热	高真空多层缠绕绝热	高真空多层缠绕绝热	高真空	高真空	珠光砂	珠光砂	高真空多层绝热	高真空多层绝热
罐箱外形尺寸	6058x2438x2591	6058x2438x2591	6058x2438x2591	12192x2438x2591	6058x2438x2591	6058x2438x2591	6058x2438x2591	6058x2438x2591	6058x2438x2591	6058x2438x2591
容器外形尺寸	Φ2412x5950	Φ2400x5936	Φ2410x5926	Φ2416x11590	Φ2416x5708	Φ2416x5720	Φ2320x5674	Φ2320x5759	Φ2422x5690	Φ2422x5926
内筒厚度mm(筒体/封头)	16/16	14/14 14/14	20/20 20/20	08/08 08/08	10/10 10/10	18/18 18/18	18/18 18/18	10/10 10/10	22 22	22 22
外筒厚度mm(筒体/封头)	6/6	6/6	6/8	6/8	8/8	8/8	10/10	10/10	6/8	6/8
设备重量Kg	11360	9950	12300	15713	10307	12515	12700	10380	13000	13030
容积类别	三类	三类	三类	三类	三类	三类	三类	三类	三类	三类

Jumbo Tube Gas Vessels Cylinder
Cascade for Fixed Gas Station



Model	OD	Capacity	Working Pressure	Material	Design WTK	Length	Weight
	(mm)	(L)	(Mpa)		(mm)	(mm)	(Kg)
DSWS559-2250-201	559	2250	20	4130X	16.8	10950	2458
DSWS559-2200-201	559	2200	20	4130X	16.8	10750	2403
DSWS559-920-251	559	920	25	4130X	20.7	5224	1653
DSWS559-1130-251	559	1130	25	4130X	20.7	6290	1990
DSWS559-2000-251	559	2000	25	4130X	20.7	10707	3388
DSWS559-2050-251	559	2050	25	4130X	20.7	10960	3452
DSWS559-2210-251	559	2210	25	4130X	17.4	10950	2769
DSWS610-520-16.61	610	520	16.6	4130X	15	2428	603
DSWS610-470-16.61	610	470		4130X	15	2235	555
DSWS610-440-16.61	610	440	16.6	4130X	15	2120	527

Specification of International tube bundle container

Tube bundle container	Item	Data	Cylinder	Item	Data
	Product model	DSW09-2210-CNG-25		Working pressure	25Mpa
	Container weight	28721kg		Working temperature	- 50-60℃
	Filling weight	4511kg		Main material	4130x
	Rated weight	33232kg		Qty.of cylinder	9
	Major risk category	2.1		Total capacity of cylinder	19.89m³
	UN No.	1049		Pressure for water pressure test	37.5Mpa
	Filling medium	CNG		Size(mm)	Φ559*17.4*10975
	Pressure for air tightness test	25Mpa		Design temperature	65℃
	Pressure for pipeline water pressure test	37.5Mpa		Medium property	Explosive
	Filling amount	6265Nm³	Bursting disc	Explosion pressure	37.5Mpa
	Size(mm)	12192*2438*1890		Bursting disc device discharge aperture(mm)	≥ Φ20
	Way of transport	Hinghway combined transport			
	Design service life	15 years			

Tube bundle container		Data	Cylinder	Item	Data
		DSW10-2320-CNG-25		Working pressure	25Mpa
		27300kg		Working temperature	- 50-65℃
		5262kg		Main material	30CrMoLX
		32562kg		Qty.of cylinder	10
		2.1		Total capacity of cylinder	23.20m³
		1049		Pressure for water pressure test	37.5Mpa
		CNG		Size(mm)	Φ559*14.8*10977
		25Mpa		Design temperature	65℃
		37.5Mpa		Medium property	Explosive
		7308Nm³	Bursting disc	Explosion pressure	37.5Mpa
		12192*2438*1890		Bursting disc device discharge aperture(mm)	≥ Φ20
		Hinghway combined transport			
		15 years			

Specification of International tube bundle container

Tube bundle container	Item	Data	Cylinder	Item	Data
	Product model	DSW11-2320-CNG-25		Working pressure	25Mpa
	Container weight	29650kg		Working temperature	- 50-65℃
	Filling weight	5788kg		Main material	30CrMoLX
	Rated weight	35438kg		Qty.of cylinder	11
	Major risk category	2.1		Total capacity of cylinder	25.52m³
	UN No.	1049		Pressure for water pressure test	37.5Mpa
	Filling medium	CNG		Size(mm)	Φ559*14.8*10977
	Pressure for air tightness test	25Mpa		Design temperature	65℃
	Pressure for pipeline water pressure test	37.5Mpa		Medium property	Explosive
	Filling amount	8038.8Nm³	Bursting disc	Explosion pressure	37.5Mpa
	Size(mm)	12192*2438*1890		Bursting disc device discharge aperture(mm)	≥Φ20
	Way of transport	Hinghway combined transport			
	Design service life	15 years			

Tube bundle container	Item	Data	Cylinder	Item	Data
	Product model	DSW12-2320-CNG-25		Working pressure	25Mpa
	Container weight	32000kg		Working temperature	- 50-65℃
	Filling weight	6314kg		Main material	30CrMoLX
	Rated weight	38314kg		Qty.of cylinder	12
	Major risk category	2.1		Total capacity of cylinder	27.80m³
	UN No.	1049		Pressure for water pressure test	37.5Mpa
	Filling medium	CNG		Size(mm)	Φ559*14.8*10977
	Pressure for air tightness test	25Mpa		Design temperature	65℃
	Pressure for pipeline water pressure test	37.5Mpa		Medium property	Explosive
	Filling amount	8769.6Nm³	Bursting disc	Explosion pressure	37.5Mpa
	Size(mm)	12192*2438*2000		Bursting disc device discharge aperture(mm)	≥Φ20
	Way of transport	Hinghway combined transport			
	Design service life	15 years			

LPG Cylinder



型号(MODEL):	LPG-3G(3.0Kg)	
水容积(WATER VOLUME):	7.2L	
总高(HIGH TOTAL0):	290mm	
瓶体(BOTTLE):	φ210mm	250mm
护罩(GUARDED):	φ132mm	80mm
底座(BASE):	φ200mm	38mm
角阀类型(ANGLE VALVE TYPES):		



型号(MODEL):	LPG-3H(3.0Kg)	
水容积(WATER VOLUME):	7.2L	
总高(HIGH TOTAL0):	290mm	
瓶体(BOTTLE):	φ230mm	210mm
护罩(GUARDED):	φ205mm	66mm
底座(BASE):	φ225mm	42mm
角阀类型(ANGLE VALVE TYPES):		



型号(MODEL):	LPG-5C(5.0Kg)	
水容积(WATER VOLUME):	12L	
总高(HIGH TOTAL0):	390mm	
瓶体(BOTTLE):	φ226mm	355mm
护罩(GUARDED):	-	-
底座(BASE):	φ205mm	42mm
角阀类型(ANGLE VALVE TYPES):	六角阀M16x1.5	



型号(MODEL):	LPG-5D(5.0Kg)	
水容积(WATER VOLUME):	12L	
总高(HIGH TOTAL0):	420mm	
瓶体(BOTTLE):	φ226mm	355mm
护罩(GUARDED):	-	-
底座(BASE):	φ205mm	42mm
角阀类型(ANGLE VALVE TYPES):		



型号(MODEL):	LPG-5A(5.0Kg)	
水容积(WATER VOLUME):	12L	
总高(HIGH TOTAL0):	390mm	
瓶体(BOTTLE):	φ226mm	355mm
护罩(GUARDED):	-	-
底座(BASE):	φ205mm	42mm
角阀类型(ANGLE VALVE TYPES):	内置式	



型号(MODEL):	LPG-5B(5.0Kg)	
水容积(WATER VOLUME):	12L	
总高(HIGH TOTAL0):	390mm	
瓶体(BOTTLE):	φ226mm	355mm
护罩(GUARDED):	-	-
底座(BASE):	φ205mm	42mm
角阀类型(ANGLE VALVE TYPES):	六角阀M16x1.5	



型号(MODEL):	LPG-5E(5.0Kg)	
水容积(WATER VOLUME):	12L	
总高(HIGH TOTAL0):	420mm	
瓶体(BOTTLE):	φ244mm	303mm
护罩(GUARDED):	φ162mm	112mm
底座(BASE):	φ200mm	38mm
角阀类型(ANGLE VALVE TYPES):		



型号(MODEL):	LPG-6A(6.0Kg)	
水容积(WATER VOLUME):	14.4L	
总高(HIGH TOTAL0):	310mm	
瓶体(BOTTLE):	φ294mm	255mm
护罩(GUARDED):	φ270mm	60mm
底座(BASE):	φ303mm	68mm
角阀类型(ANGLE VALVE TYPES):	六角阀M16x1.5	

LPG Cylinder

LPG Cylinder



型号(MODEL):	LPG-6B(6.0Kg)
水容积(WATER VOLUME):	14.4L
总高(HIGH TOTAL0):	310mm
瓶体(BOTTLE):	φ294mm 255mm
护罩(GUARDED):	φ270mm 60mm
底座(BASE):	φ303mm 68mm
角阀类型(ANGLE VALVE TYPES):	六角阀M16x1.5



型号(MODEL):	LPG-9(9.0Kg)
水容积(WATER VOLUME):	21.6L
总高(HIGH TOTAL0):	510mm
瓶体(BOTTLE):	φ294mm 380mm
护罩(GUARDED):	φ222mm 145mm
底座(BASE):	φ303mm 68mm
角阀类型(ANGLE VALVE TYPES):	



型号(MODEL):	LPG-12.5C(12.5Kg)
水容积(WATER VOLUME):	26.5L
总高(HIGH TOTAL0):	590mm
瓶体(BOTTLE):	φ294mm 470mm
护罩(GUARDED):	φ222mm 145mm
底座(BASE):	φ303mm 68mm
角阀类型(ANGLE VALVE TYPES):	六角阀M16x1.5



型号(MODEL):	LPG-12.5D(12.5Kg)
水容积(WATER VOLUME):	26.5L
总高(HIGH TOTAL0):	590mm
瓶体(BOTTLE):	φ294mm 470mm
护罩(GUARDED):	φ228mm 140mm
底座(BASE):	φ303mm 68mm
角阀类型(ANGLE VALVE TYPES):	



型号(MODEL):	LPG-12.5A(12.5Kg)
水容积(WATER VOLUME):	26.5L
总高(HIGH TOTAL0):	590mm
瓶体(BOTTLE):	φ294mm 470mm
护罩(GUARDED):	φ222mm 145mm
底座(BASE):	φ303mm 68mm
角阀类型(ANGLE VALVE TYPES):	



型号(MODEL):	LPG-12.5B(12.5Kg)
水容积(WATER VOLUME):	26.5L
总高(HIGH TOTAL0):	540mm
瓶体(BOTTLE):	φ314mm 417mm
护罩(GUARDED):	φ162mm 112mm
底座(BASE):	φ303mm 68mm
角阀类型(ANGLE VALVE TYPES):	



型号(MODEL):	LPG-12.5E(12.5Kg)
水容积(WATER VOLUME):	26.5L
总高(HIGH TOTAL0):	570mm
瓶体(BOTTLE):	φ294mm 470mm
护罩(GUARDED):	φ210mm 120mm
底座(BASE):	φ303mm 68mm
角阀类型(ANGLE VALVE TYPES):	



型号(MODEL):	LPG-12.5F(12.5Kg)
水容积(WATER VOLUME):	26.5L
总高(HIGH TOTAL0):	590mm
瓶体(BOTTLE):	φ294mm 470mm
护罩(GUARDED):	φ222mm 145mm
底座(BASE):	φ303mm 68mm
角阀类型(ANGLE VALVE TYPES):	

LPG Cylinder

LPG Cylinder

LPG Cylinder Valves



型号(MODEL):	LPG-12.5H(12.5Kg)
水容积(WATER VOLUME):	26.5L
总高(HIGH TOTAL0):	580mm
瓶体(BOTTLE):	φ300mm 470mm
护罩(GUARDED):	φ165mm 108mm
底座(BASE):	φ303mm 68mm
角阀类型(ANGLE VALVE TYPES):	



型号(MODEL):	LPG-15A(15.0Kg)
水容积(WATER VOLUME):	35.7L
总高(HIGH TOTAL0):	690mm
瓶体(BOTTLE):	φ314mm 520mm
护罩(GUARDED):	φ228mm 145mm
底座(BASE):	φ303mm 68mm
角阀类型(ANGLE VALVE TYPES):	



型号(MODEL):	LPG-15B(15.0Kg)
水容积(WATER VOLUME):	35.7L
总高(HIGH TOTAL0):	690mm
瓶体(BOTTLE):	φ314mm 520mm
护罩(GUARDED):	φ222mm 145mm
底座(BASE):	φ240mm 46mm
角阀类型(ANGLE VALVE TYPES):	



型号(MODEL):	LPG-15C(15.0Kg)
水容积(WATER VOLUME):	35.7L
总高(HIGH TOTAL0):	680mm
瓶体(BOTTLE):	φ314mm 520mm
护罩(GUARDED):	φ190mm 150mm
底座(BASE):	φ240mm 46mm
角阀类型(ANGLE VALVE TYPES):	



TL-H-01
INLET: 3/4-14NGT
OUTLET: W21.8-14LH



TL-H-02
INLET: 3/4-14NGT
OUTLET: 0.885-14NGO-LH



TL-H-03
INLET: 3/4-14NGT
OUTLET: 0.885-14NGO-LH



TL-H-04
INLET: M22x1.5
OUTLET: M16x1.5



TL-H-05
INLET: W19.8-14DIN477
OUTLET: W21.8-14LH



TL-H-06
INLET: W19.8-14DIN477
OUTLET: W21.8-14LH



TL-H-07
INLET: W24x2
OUTLET: W21.8-14LH



TL-H-08
INLET: 3/4-14NGT
OUTLET: 0.885-14NGO-LH



TL-H-09
INLET: 1/2-14NGT
OUTLET: W19.8-14LH



TL-HS-10
INLET: W19.8-14DIN477
OUTLET: 3/8-18LH



TL-HS-11
INLET: W24x2
OUTLET: W21.8-14LH



TL-HS-12
INLET: W19.8-14DIN477
OUTLET: W21.8-14LH



TL-HS-13
INLET: W28.8-14DIN477
OUTLET: W21.8-14LH



TL-HS-14
INLET: 3/4-14NGT
OUTLET: W21.8-14LH



TL-HS-15
INLET: W28.8-14DIN477
OUTLET: W19.8-14LH



TL-HS-16
INLET: 1/2-14NGT
OUTLET: 3/8-18LH

LPG Cylinder Valves



TL-HS-17
INLET: W19.8-14DIN477
OUTLET: W21.8-14LH



TL-HS-18
INLET: W19.8-14DIN477
OUTLET: 3/8-18LH



TL-CS-19
INLET: 3/4-14NGT
φ20



TL-CS-20



TL-CS-21
INLET: W19.8-14DIN477
φ20



TL-CS-22
INLET: W28.8-14DIN477
φ20



TL-CS-23



TL-CS-24
INLET: 3/4-14NGT
φ20/φ22



TL-CS-25
INLET: W28.8-14DIN477



TL-CS-26
INLET: 3/4-14NGT
φ27



TL-CS-27
INLET: 3/4-14NGT
OUTLET: 0.885-14NGO-LH



TL-CS-28
INLET: W19.8-14DIN477
φ20/φ22



TL-C-29
INLET: M22x1.25
OUTLET: M16x1.5



TL-C-30
INLET: 3/4-14NGT
φ20φ22



TL-C-31
INLET: M22x1.25
OUTLET: M16x1.5



TL-C-32
INLET: M22x1.25
OUTLET: M16x1.5

Gas Regulator 减压阀



GF-50 φ20



GF-918



GF-968-A φ20 φ22



GF-988



GF-998



GF-998-1



JYT-519-A



JYT-06A



JYT-0.6B



JYT-0.6B



JYT-0.6C



JYT-1.2B



JYT-519-A



JYT-601



JYT-602



JYT-808



JYT-818



JYT-819



JYT-Z8 φ20 φ22 φ27



JYT-Z9 φ20 φ22

Refrigerant



R22 Chlorodifluoromethane

Property of chloride:

Molecular Weight 85.47
Boiling Point, °C -40.8
Critical Temperature, °C 96.2
Critical Pressure, Mpa 4.99
Specific Heat of Liquid, 30°C, [KJ/(kg.°C)] 0.31
ODP 0.034
GWP 0.17

Packing: Disposable steel cylinder 30lb/13.6kg, 50lb/22.7kg, recyclable steel cylinder 400kg/400L, 800kg/800L, 1000kg/1000L, 950kg/926L

Quality standard:

Purity, % ≥99.8
Moisture, Ppm ≤10
Acidity, Ppm 0.1
Vapor Residue, Ppm ≤100
Appearance Colorless, No turbid
Odor No Strange Stench

Application: Used as refrigerant in household, industrial and commercial air-conditioning system and also as aerosol propellant for pesticide and paint, or fire extinguishing agent, it's primary feedstock for fluoropolymers.



R142B Chlorodifluoroethane

Property of chloride:

Molecular Weight 100.5
Boiling Point, °C -9.8
Critical Temperature, °C 136.45
Critical Pressure, Mpa 4.15
Specific Heat of Liquid, 25°C, [KJ/(kg.°C)] 1.31
ODP 0.06
GWP 0.36

Packing: Disposable steel cylinder 30lb/13.6kg, 50lb/22.7kg, recyclable cylinder 400L, 800L, 1000L, iso-tank.

Quality standard:

Purity, % ≥99.8
Moisture, Ppm ≤10
Acidity, Ppm 0.1
Vapor Residue, Ppm ≤100
Appearance Colorless, No turbid
Odor No Strange Stench

Application: Refrigerant, intermediate material



R134a Tetrafluoroethane

Property of chloride:

Molecular Weight 102.03
Boiling Point, °C -26.1
Critical Temperature, °C 101.1
Critical Pressure, Mpa 4.05
Specific Heat of Liquid, 30°C, [KJ/(kg.°C)] 1.51
ODP 0
GWP 0.13

Packing: Can of 220g, 250g, 280g, 300g, 340g, 500g, 800g, 1000g; Disposable steel cylinder 30lb/13.6kg, 50lb/22.7kg, Recyclable steel cylinder 400L, 800L, 926L, 1000L, ISO-Tank.

Quality standard:

Purity, % ≥99.9
Moisture, Ppm ≤10
Acidity, Ppm 0.1
Vapor Residue, Ppm ≤100
Appearance Colorless, No turbid
Odor No Strange Stench

Application: Refrigerant for CFC-12 substitute, used as refrigerant in automobile air-conditioning, house-hold and commercial refrigeration, can also be used as aerosol, flame retardant, and blowing agent in pharmaceutical, agrochemical, cosmetics and cleaning sectors



R404A

Property of chloride:

Molecular Weight 97.60
Boiling Point, °C -46.60
Critical Temperature, °C 72.10
Critical Pressure, Mpa 3.74
Specific Heat of Liquid, 25°C, [KJ/(kg.°C)] 0.38
ODP 0.00
GWP 0.38

Packing: Disposable cylinder 24lb/10.9kg, Recyclable steel cylinder 300kg/400L, 600kg/800L, 700kg/926L, 1000L, ISO-Tank.

Quality standard:

Purity, % ≥99.8
Moisture, Ppm ≤10
Acidity, Ppm 0.1
Vapor Residue, Ppm ≤100
Appearance Colorless, No turbid
Odor No Strange Stench

Application: Used as long-term substitute for R22 and R502, applying in refrigerating system with low & moderate temperature.

Refrigerant



R407C

Property of chloride:
Molecular Weight 86.20
Boiling Point, °C -43.80
Critical Temperature, °C 87.30
Critical Pressure, Mpa 4.63
Specific Heat of Liquid, 25°C, [KJ/(kg.°C)] 1.51
ODP 0.00
GWP 0.17

Packing: Disposable cylinder 25lb/11.3kg, recyclable steel cylinder 300kg/400L, 600kg/800L, 700kg/926L, 1000L, ISO-Tank

Quality standard:
Purity, % ≥99.8
Moisture, Ppm ≤10
Acidity, Ppm 0.1
Vapor Residue, Ppm ≤100
Appearance Colorless, No turbid
Odor No Strange Stench

Application: Used as long-term substitute for R22 and R502, applying in air-conditioners and non-centrifugal refrigerant system.
Application: Used as long-term substitute for R22 and R502, applying in refrigerating system with low & moderate temperature.



R507

Property of chloride:
Molecular Weight 98.86
Boiling Point, °C -47.1
Critical Temperature, °C 70.9
Critical Pressure, Mpa 3.79
Specific Heat of Liquid, 25°C, [KJ/(kg.°C)] 1.49
ODP 0.00
GWP 0.2

Packing: Disposable cylinder 30lb/11.3kg, recyclable steel cylinder 300kg/400L, 600kg/800L, 700kg/926L, 1000L, ISO-Tank.

Quality standard:
Purity, % ≥99.8
Moisture, Ppm ≤10
Acidity, Ppm 0.1
Vapor Residue, Ppm ≤100
Appearance Colorless, No turbid
Odor No Strange Stench

Application: Used as long-term substitute for R502, applying in low-temperature refrigerant system.



R410A

Property of chloride:
Molecular Weight 72.58
Boiling Point, °C -51.6
Critical Temperature, °C 72.5
Critical Pressure, Mpa 4.95
Specific Heat of Liquid, 25°C, [KJ/(kg.°C)] 1.78
ODP 0.00
GWP 0.2

Packing: Disposable cylinder 30lb/11.3kg, Recyclable steel cylinder 300kg/400L, 600kg/800L, 700kg/926L, 1000L, ISO-Tank.

Quality standard:
Purity, % ≥99.8
Moisture, Ppm ≤10
Acidity, Ppm 0.1
Vapor Residue, Ppm ≤100
Appearance Colorless, No turbid
Odor No Strange Stench

Application: Used as long-term substitute for R22, applying in air-conditioners and non-centrifugal refrigerant system.



R290 Propane

Property of chloride:
Molecular Weight 44.9
Boiling Point, °C -42.2
Critical Temperature, °C 96.67
Critical Pressure, Mpa 4.25
Saturated Liquid Density, 25°C, (g/cm³) 0.58
Specific Heat of Liquid, 25°C, [KJ/(kg.°C)] 1.64
ODP 0
GWP 0.01

Packing: Disposable cylinder 13.2lb/6kg, 22lb/10kg; Recyclable cylinder 926L.

Quality standard:
Purity, % ≥99.8
Moisture, Ppm ≤10
Acidity, Ppm 0.1
Vapor Residue, Ppm ≤100
Appearance Colorless, No turbid
Odor No Strange Stench

Application: High pure grade R290 is used as temperature sensing medium. Premium grade and first grade R290 can be used as refrigerant and can replace R22.

Refrigerant



R600a Isobutane

Property of chloride:
Molecular Weight 58.12
Boiling Point, °C -11.70
Critical Temperature, °C 134.71
Critical Pressure, Mpa 3.64
Specific Heat of Liquid, 25°C, [KJ/(kg.°C)] 2.38
ODP 0
GWP 0.1
Critical Density, (g/cm³) 0.221

Packing: Disposable cylinder 14.3lb/6.5kg, recyclable steel cylinder 100L, 926L, 1000L, ISO-Tank

Quality standard:
Purity, % ≥99.5
Moisture, Ppm ≤10
Acidity, Ppm 0.1
Vapor Residue, Ppm ≤100
Appearance Colorless, No turbid
Odor No Strange Stench

Application: Refrigerant, can replace R12.



R32 Difluoromethane

Property of chloride:
Molecular Weight 52.02
Boiling Point, °C -53.15
Critical Temperature, °C 78.25
Critical Pressure, Mpa 5.808
Specific Heat of Liquid, 25°C, [KJ/(kg.°C)] 2.35
ODP 0
GWP 0.11

Packing: Disposable cylinder 10.2kg/22lb, recyclable steel cylinder 670kg/926L

Quality standard:
Purity, % ≥99.8
Moisture, Ppm ≤10
Acidity, Ppm 0.1
Vapor Residue, Ppm ≤100
Appearance Colorless, No turbid
Odor No Strange Stench

Application: Used as refrigerant, an important component of R22's replacement.



R123 Dichlorotrifluoroethane

Property of chloride:
Molecular Weight 152.0
Boiling Point, °C -27.85
Critical Temperature, °C 183.8
Critical Pressure, Mpa 3.66
Specific Heat of Liquid, 25°C, [KJ/(kg.°C)] 0.985
ODP 0.02
GWP 0.02

Packing: Steel drum (internal PVF coating) 100L, 200L, 13.6kg, 200kg

Quality standard:
Purity, % ≥99.8
Moisture, Ppm ≤20
Acidity, Ppm 0.1
Vapor Residue, Ppm ≤100
Appearance Colorless, No turbid
Odor No Strange Stench

Application: Used as long-pressure centrifugal chillers, new centrifugal equipment.



R141b Dichlorofluoroethane

Property of chloride:
Molecular Weight 116.95
Boiling Point, °C -32.05
Critical Temperature, °C 204.15
Critical Pressure, Mpa 4.25
Specific Heat of Liquid, 25°C, [KJ/(kg.°C)] 1.16
ODP 0.15
GWP 0.15

Packing: Steel drum (internal PVF coating) 235kg/200L; 13.6kg/30lb, ISO-Tank.

Quality standard:
Purity, % ≥99.8
Moisture, Ppm ≤30
Acidity, Ppm 0.1
Vapor Residue, Ppm ≤100
Appearance Colorless, No turbid
Odor No Strange Stench

Application: Used as refrigerant, metal detergent and blowing agent can replace R11 and R113.

Refrigerant



R417A

Property of chloride:
Molecular Weight 106.75
Boiling Point,°C -41.8
Critical Temperature,°C 89.9
Critical Pressure, Mpa 4.10
ODP 0.000

Packing: Disposable cylinder 25lb/11.3kg, Recyclable cylinder 926L, ISO-Tank

Quality standard:
Purity, % ≥99.8
Moisture, Ppm ≤10
Acidity, Ppm 0.1
Vapor Residue, Ppm ≤100
Appearance Colorless, No turbid
Odor No Strange Stench

Application: Retrofited refrigerant for R22.

Product	Molecular Weight	Boiling Point°C	Critical Temperature°C	Critical Pressure Mpa	ODP	GWP
R113	187.37	47.60	214.10	3.39	0.900	1.300
R14		-128.1	-45.67	3.73		
R115	154.47	-38.90	80.00	3.12	0.400	1.570
R123	152.93	27.80	183.80	3.66	0.012	0.026
R124	136.48	-10.95	122.3	3.62	0.026	0.013
R125	120.20	-48.10	66.20	3.63	0.000	0.74
R134a	102.03	-26.10	101.10	4.06	0.000	0.29
R141b	116.95	32.00	204.20	4.25	0.086	0.15
R142b	100.49	-9.00	137.10	4.12	0.043	0.52
R143	84.04	5.00	156.70	4.52	0.000	0.93
R152a	66.05	-24.00	113.30	4.52	0.000	0.03
R22	86.47	-40.80	96.20	4.99	0.034	0.37
R236fa	152.04	-1.04			0.000	2.04
R227ea	170.03	-15.60	102.80	2.98	0.000	0.76
R23	70.01	-82.10	25.90	4.84	0.000	0.11
R32	52.02	-51.70	78.20	5.80	0.000	0.12
R41	34.03	-78.10	44.10	5.90	0.000	0.097
R600a	58.12	-11.70	134.70	3.64	0.000	0.1
R401A	94.44	-34.4	105.3	4.613	1.027	0.24
R402A	101.55	-49.2	76.0	4.23	0.013	0.59
R404A	97.60	-46.60	72.10	3.74	0.000	0.83
R405A	111.91	-32.90	106.00	4.29	0.018	1.130
R406A	89.86	-32.70	116.50	4.88	0.036	0.41
R407C	86.20	-43.80	87.30	4.63	0.000	0.37
R408A	87.10	-42.50	83.30	4.42	0.016	0.652
R409B	96.67	-36.50	104.40	4.71	0.033	0.326
R410A	72.58	-51.60	72.50	4.95	0.000	0.43
R415	70.20	-26.72	124.0	4.768	0.01	0.10
R500	99.30	-33.60	102.10	4.17	0.605	1.717
R502	111.63	-45.30	80.70	4.02	0.221	0.978
R503	87.25	-87.50	18.40	4.27	0.599	2.826
R507A	98.86	-47.10	70.90	3.79	0.000	0.847
R508A	100.10	-87.40	11.00	3.70	0.000	2.608
R509A	123.96	-40.40	87.20	4.03	0.015	1.217



R14 Tetrafluoromethane

Property of chloride:
Molecular Weight -183.6
Boiling Point,°C -128.1
Critical Temperature,°C -45.67
Critical Pressure, Mpa 3.73
Critical density, m³/mol 7.1

Application: CF4 can be widely used in etching of silicon, SiO2, SiN4, phosphorus silicon glass and tungsten film material. and also can be used in the electronic components surface cleaning and solar battery production, laser technology, space technology, metal smelting, meteorological insulation, low temperature refrigeration and etc.



R23 Trifluoromethane

Property of chloride:
Molecular Weight -70.01
Boiling Point,°C -82.1
Ice Point, °C -152.15
Critical Temperature,°C 25.9
Critical Pressure, Mpa 4.84
Saturated Liquid Density, 25°C, (g/cm3) 2.35
Specific Heat of Liquid, 25°C, [KJ/(kg.°C)] 1.55
ODP 0
GWP 5.7

Application: Refrigerant, replacer of fire-extinguishing agent.

Regulator



结构特点

活塞式减压结构
母体接口螺纹1/4" NPT(F) ;
安全压力：1.5倍的最大输入压力
适用温度：-40℃至74℃
 (-40°F至165°F)
泄漏率：2x10-8atm.cc/sec He
CV值：0.06
重量：0.9kg
可采用面板式或墙式安装

Features and Specifications

Piston-Sensed Configuration
Inlet and Outlet Port Size:1/4" NPT(F)

适用范围	Applications	材 质	Materials
实验室 气体分析测试 流程控制 气体汇流排 测试设备	Gas Chromatography Research Laboratories Petrochemical Industry	母体:316L; 阀座：PCTFE, 活塞：316L 过滤网：316L 弹簧：316L	Body:316L Seat:PCTFE Spring:316

系列号	母体孔	输入压力	输出压力	压力表	进气形式	进气形式	选 项
Series	Body Ports	Inlet Pressure	Outlet Pressure	Gauge	Inlet Connector	Inlet Connector	Options
	B	B	H	G	O	OO	P
DSW4L (316L) DSW5B (铜电镀)	A D G	B:6000psi D:3000psi	D:0-3000psi E:0-1500psi F:0-500psi G:0-250psi	G:Mpa表 P:pai/bar表 W:无压力表	00:1/4"NPT(F) 01:1/4"NPT(M) 10:1/8"卡套接头 11:1/4"卡套接头 12:3/8"卡套接头 15:6mm卡套接头 16:8mm卡套接头 其他形式接头可供选择	00:1/4"NPT(F) 01:1/4"NPT(M) 10:1/8"卡套接头 11:1/4"卡套接头 12:3/8"卡套接头 15:6mm卡套接头 16:8mm卡套接头 其他形式接头可供选择	P:面板式安装 N:附针阀 D:膜片阀

4系列不锈钢减压器，采用活塞式减压结构，输出压力稳定，主要用于高输入压力要求，最大压力可达6000psi,适用于纯净气体、标准气体、腐蚀性气体。
4 series high pressure stainless steel regulator is a piston sensed single-stage high purity regulator designed for applications where high pressure and low pressure are desired.



结构特点

单级式减压结构
1-1/4"膜片
2"压力表
最大进气压力15MPa
执行UL安全标准
重量 : 0.9kg

Design features

Chrome plated housing cap
Internal safety pressure relief valve
2"gauges
Weight: 0.9KG
Meat the UL requirement

适用范围	Applications	材 质	Materials
非腐蚀性气体 吹扫系统 实验室测试 工业制造	industrial and laboratory applications Non-corrosive gases Hydrocarbon services	母体:黄铜 上盖：较强度锌合金 制造，表面镀铬 膜片：氯丁橡胶 过滤网：青铜	Body is machined from class "A"brass bar stock Sintered bronze inlet filter Stem type seat assembly for more reliable seating

型号	适用气体	最大进气压力	输出压力	进气压力表	出气压力表	进气螺纹	出气螺纹
Model No	Gas Service	Max.InletPressure	Deliver Pressure	Inlet gauge	Outlet gauge	Inlet Connection	Outlet Connection
		mpa	mpa	mpa	mpa		
DSW43X-80	氧气O2	15	0.02-0.56	25	1	G5/8"-RH(F)	M16-1.5RH(M)
DSW43X-80-011		15	0.02-0.56	25	2.5	W21.8-14RH(F)	M16-1.5RH(M)
DSW43Y-15	乙炔Ac	3	0.01-0.1	4	0.25	接瓶架	M16-1.5LH(M)
DSW43F-80	丙烷、天然气LPG	3	0.02-0.56	4	1	M22-1.5LH(M)	M16-1.5LH(M)
DSW43IN-80	氩气、氦气、氮气	15	0.02-0.56	25	1	G5/8"-RH(F)	M16-1.5RH(M)
DSW43IN-80-011	Ar、He、N2"	15	0.02-0.56	25	2.5	W21.8-14RH(F)	M16-1.5RH(M)
DSW43H80-V	氢气H2	15	0.02-0.56	25	1	W21.8-14LH(F)	M16-1.5RH(M)(带调节阀)
DSW43H80		15	0.02-0.56	25	1	W21.8-14LH(F)	M16-1.5RH(M)

43系列单级式减压器，结构简单，重量轻，广泛适用于小型流量气体需求场合。包括商店、家庭、工厂
43 series regulator with lightweight, compact and single stage design, they are ideal for light to medium duty gas welding, cuttin



结构特点

单级式减压结构
膜片与母体采用硬密封形式
母体接口螺纹1/2"NPT(F)
压力表、安全阀接口1/4"NPT(F)
安全压力：1.5倍的最大输入压力
适用温度：-40℃至74℃
(-40°F至165°F)
泄漏率：2x10⁻⁸atm.cc/sec He
CV值：1.1
重量：1.6kg
可采用面板式或墙式安装

Features & Specifications

316L Stainless Steel or Brass Body
500, 3000, or 4000 psi Inlet Pressure
Maximum Inlet Pressure: 4000psig
Inlet and Outlet Ports Size: 1/2"NPT (F)
Outlet Pressure: 0-25, 0-50, 0-100, 0-250psig
Temperature Range: -40°F~165°F (-40°C~74°C)
Maximum Cv: 1.1

适用范围	Typical Applications	材 质	Materials
气体吹扫系统 实验室 特种气体 石油化工 气体汇流排	Gas Cabinet Regulator High Flow Purging System Regulator For Specialty Gases Research Labs Manifold Regulator	母体:316L;铜电镀 上盖：316L;铜电镀 阀座：PCTFE,PTFE 膜片：316L 过滤网：316L 弹簧：316L	Body: Brass, 316L Seat: PCTFE, PTFE Diaphragm: 316L Stem: 316L Spring: 316

系列号	母体孔	输入压力	输出压力	压力表	进气形式	出气形式	选项
Series	Body Ports	Inlet Pressure	Outlet Pressure	Gauge	Inlet Connector	Outlet Connector	Options
	B	D	H	G	O2	O2	P
DSW2L (316L) DSW2B (铜电镀)	A B G J M Q	C:4000psi D:3000psi F:500psi	G:0-250psi H:0-125psi I:0-100psi K:0-50psi L:0-25psi Q:30"HgVac-30psi S:30"HgVac-60psi T:30"HgVac-100psi U:30"HgVac-200psi	G:Mpa表 P:pai/bar表 W:无压力表	02:3/8"NPT(F) 03:3/8"NPT(M) 04:1/2"NPT(F) 05:1/2NPT(M) 12:3/8"卡套接头 13:1/2"卡套接头 其他形式接头可供选择	02:3/8"NPT(F) 03:3/8"NPT(M) 04:1/2"NPT(F) 05:1/2NPT(M) 12:3/8"卡套接头 13:1/2"卡套接头 其他形式接头可供选择	P:面板式安装 R:附安全阀

2系列不锈钢减压器，单级式膜片减压结构，不锈钢膜片压力传输，输出压力稳定，应用于中等流量气体系统，可用于腐蚀性气体及有毒气体。

gases.The large valve minimizes fluctuation and also acts as a reliable shut-off feature in low pressure.



结构特点

单级式减压结构
 进出气接口1" NPT(F)
 压力表接口1/4" NPT(F)
 安全压力：1.5倍的最大输入压力
 适用温度：-23℃至121℃
 (-10°F至250°F)
 泡沫测试
 CV值：5.2
 重量：6kg

Features & Specifications

Single-Stage Configuration
Inlet and Outlet Port Size: 1" NPT(F)
Maximum Inlet Pressure: 500psi(35bar)
Maximum Outlet Pressure: 250psi(17bar)
Temperature Range: -23°C to 121°C
(-10°F to 250°F)
Maximum CV: 5.2
Weight: 6kg

适用范围	Applications	材 质	Material
低压储罐	Gas Control Box	母体:316L;黄铜	Body:316L;Brass
电厂设备	Facility Supply Regulation	阀座:丁晴橡胶	Seat:Buna-N
石油化工		膜片:丁晴橡胶(内衬尼龙)	Diaphragm:Buna-N/Nylon
热处理设备		弹簧:316L	Reinforced Spring:316

系列号	母体孔	输入压力	输出压力	压力表	进气形式	出气形式
Series	Body Ports	Inlet Pressure	Outlet Pressure	Gauge	Inlet Connector	Outlet Connector
	B	F	G	G	O6	O2
DSW6L (316L)	A	F:500psi	G:0-250psi	G:Mpa表 P:psi/bar表 W:无压力表	06:3/4"NPT(F)	06:3/4"NPT(F)
	B		H:0-125psi		07:3/4"NPT(M)	07:3/4"NPT(M)
	D		I:0-100psi		08:1"NPT(F)	08:1"NPT(F)
	G		K:0-50psi		09:1"NPT(M)	09:1"NPT(M)
DSW6B (铜电镀)			L:0-25psi		其他形式接头可供选择	其他形式接头可供选择

6系列不锈钢减压阀，膜片式减压结构，输出压力稳定，适用于大流量场合。
6 series regulators are designed to provide excellent accuracy.



结构特点

母体与膜片采用硬密封形式
母体螺纹1/4" NPT(F)
安全压力: 1.5倍的最大输入压力
适用温度: -29°C至69°C
(-40°F至165°F)
泄漏率: 2x10-8atm.cc/sec He
CV值: 0.08
重量: 0.9kg
可采用面板式或墙式安装

Features & Specifications

Single-Stage Configuration
Inlet and Outlet Port Size: 1/4" NPT(F)
Maximum Inlet Pressure: 250psi(17bar)
Temperature Range: -40°C to 74°C
(-40°F to 165°F)
Maximum CV: 0.08

适用范围	Applications	材 质	Materials
实验室 气体分析测试 流程控制 测试设备 石油化工	Research Laboratories Process Control Gas Chromatography	母体:316L;黄铜 阀座：PCTFE,PTFE 膜片：哈氏合金，316L 弹簧：316L	Body:316L Seat:PCTFE,PTFE

系列号	母体孔	输出压力	进气形式	出气形式
Series	Body Ports	Outlet Pressure	Inlet Connector	Outlet Connector
	A	G	00	02
DSW7L (316L)	A	G:0-250psi	00:1/4"NPT(F)	00:1/4"NPT(F)
		I:0-100psi	01:1/4"NPT(M)	01:1/4"NPT(M)
		K:0-50psi	10:1/8"卡套接头	10:1/8"卡套接头
		L:0-25psi	11:1/4"卡套接头	11:1/4"卡套接头
DSW7B (铜电镀)				12:3/8"卡套接头
			其他形式接头可供选择	其他形式接头可供选择



结构特点

单级式减压结构
 进出气接口1/4" NPT(F)
 压力表接口1/8" NPT(F)
 安全压力：1.5倍的最大输入压力
 适用温度：-40°C至74°C
 (-40°F至165°F)
 CV值：0.06

Features and Specification

Single-Stage Configuration
Inlet and Outlet Port Size: 1/4" NPT(F)
Gauge Port Size: 1/8" NPT(F)
Temperature Range: -40°C to 74°C
(-40°F to 165°F)
Maximum CV: 0.06

适用范围	Applications	材 质	Materials
实验室 气体汇流排 石油化工	Research Laboratories Petrochemical Industry	母体:316L;黄铜 膜片：316L，哈氏合金 弹簧：316L	Body:316L;Brass Diaphragm: 316L;Hastelloy

系列号	母体孔	输入压力	输出压力	压力表	进气形式	出气形式
Series	Body Ports	Inlet Pressure	Outlet Pressure	Gauge	Inlet Connector	Outlet Connector
	B	D	L	G	OO	OO
DSW11L (316L)	A B G	C:4000psi D:3000psi	F:0-500psi G:0-250psi H:0-125psi	G:Mpa表 P:pai/bar表	00:13/8"NPT(F) 01:1/4"NPT(M)	00:13/8"NPT(F) 01:1/4"NPT(M)
DSW11B (铜电镀)	J M Q	F:500psi	I:0-100psi K:0-50psi L:0-25psi	W:无压力表	其他形式接头可供选择	其他形式接头可供选择

11系列微小型不锈钢减压器，膜片式减压结构，输出压力稳定，适用于小流量场合。

11 series regulator is a single-stage mini size high purity regulator.

12系列微小型不锈钢减压器，双级膜片式减压结构，输出压力稳定，适用于小流量场合的纯净气体、标准气体和腐蚀性气体等。
12 series two-stage mini size stainless steel regulators are designed for applications where a consistent outlet pressure and flow are desired



结构特点

双级式减压结构
进出气接口1/8"NPT(F)
压力表接口1/8"NPT(F)
安全压力：1.5倍的最大输入压力
适用温度：-40℃至74℃ (-40°F至165°F)

Features and Specification

Dual-Stage Configuration
Inlet and Outlet Port Size:1/8" NPT(F)
Gauge Port Size:1/8" NPT(F)
Temperature Range:-40°C to 74°C (-40°F to 165°F)

13 系列小型不锈钢减压器

HIGH PURITY, LOW FLOW, MICROMINIATURE REGULATOR



结构特点

单级式减压结构
进出气接口1/4"NPT(F)
压力表接口1/4"NPT(F)
安全压力：1.5倍的最大输入压力
适用温度：-40℃至74℃（-40°F至165°F）

Features and Specification

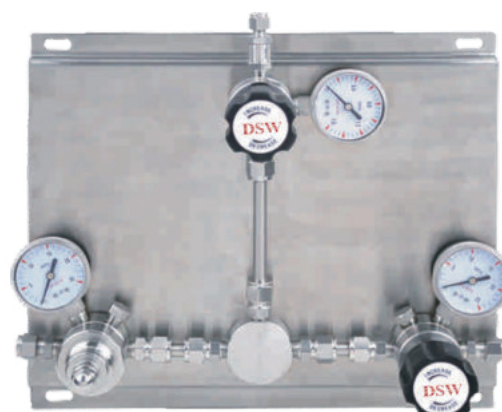
Single-Stage Configuration
Inlet and Outlet Port Size:1/4" NPT(F)
Gauge Port Size:1/4" NPT(F)
Temperature Range:-40°C to 74°C (-40°F to 165°F)

13系列小型不锈钢减压阀，膜片式减压结构，输出压力稳定，适用于小流量场合。

13 series regulator is a single-stage small size high purity regulator.



DSW119 Series



DSW117 Series

结构特点 Design Features

配安全阀
2"不锈钢压力表, 读数清晰
2"不锈钢无缝管
最大进气压力: 3000, 2000, 500psi
最大出气压力: 25, 50, 100, 150, 250psi
适用温度: -40°C至74°C (-40°F至165°F)
泄漏率: 2×10^{-8} atm.cc/sec He
CV值: 0.14

材质 Materials

减压母体: 不锈钢, 铜
减压阀座: PU, PTFE, PCTFE
面板进出气连接: 1/4"卡套接头
膜片阀母体: 不锈钢

技术参数 Specifications

最大进气压力: 3000, 2200 psi
最大出气压力: 25, 50, 100, 150, 250 psi
工作温度: -40°C-74°C (-40°F-165°F)
流量: 见流量曲线图
减压器泄漏率: 2×10^{-8} atm.cc / sec He
Cv: 0.14

针阀 球阀 NEEDLE VALVES BALL VALVES

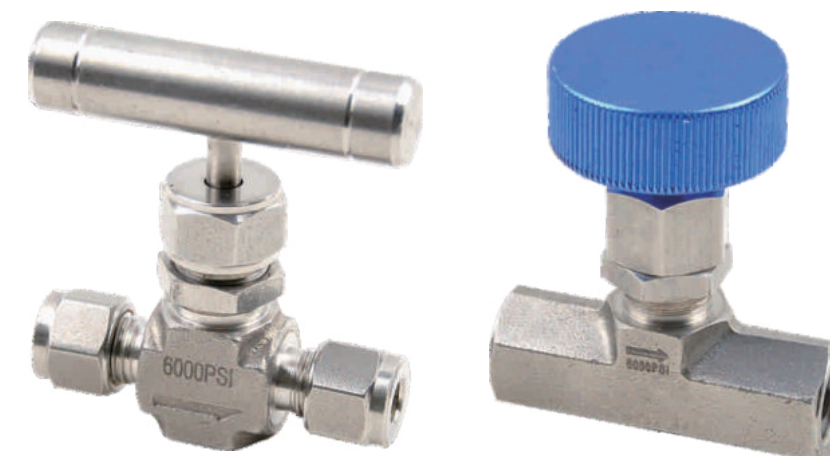
DSWBV1系列球阀



结构特点

形状选择: 直通阀和直角阀, 气动, 电动操作
阀门孔径: 5mm, 10mm
气压等级: 3000psi, 6000psi
密封材料: PTFE; DELRIN; PEEK
可以提供终端连接端口互换可变

DSWNV1系列针阀



结构特点

形状选择: 直角阀, 气动操作
使用温度: -40°C- 200°C
压力等级: 3000psi和6000psi

DSWDV1膜片阀 DIAPHRAGM VALVES



结构特点

适用于高纯应用
316L不锈钢材料提高可焊性和耐腐蚀性
面密封配件, 加压管配件或者对焊接头
旋钮带开关指示窗

功能特性

CV: 0.17
母体最大泄漏率: 1×10^{-9} atm.cc / sec He
阀座泄漏率: 4×10^{-9} atm.cc / sec He
设计验证: 最大工作压力的150%
设计爆破: 最大工作压力的400%



双侧式气体汇流排 DAUL-BANK MANIFOLD SYSTEMS

DSW500系列双侧式气体汇流排的设计采用主供气瓶组和备用气瓶组双气源结构, 在主供气瓶组的压力降低至无法供气时, 关闭主供气瓶组阀门, 同时打开备用气瓶组开始供气。该类型的汇流排通过人工操作实现主供气源与备用气源之间的切换。切换过程存在停止供气现象。



半自动切换气体汇流排 SEMI-AUTOMATIC MANIFOLD SYSTEMS

DSW1000系列半自动切换气体汇流排, 专为提供不间断供气的要求而设计。这种形式的汇流排采用主供气瓶组和备用气瓶组双气源结构, 由于在主供气瓶组与备用气瓶组减压器的压力设定方面有差别, 当主供气瓶组的压力降至设定压力时, 系统开始自动切换, 由备用气瓶组开始供气, 从而实现不间断供气功能, 为实现下一次的自动切换, 在空瓶进行调换后, 必须对两个气瓶组的气体减压器重新进行设定, 这种形式的汇流排通过主管线的减压器二级减压实现输出压力稳定。