



Product Information

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7.1克壓縮氬氣充填鋼瓶

7.1 g compressed gas Argon (Ar) filled charger

技術資料(TECHNICAL DATA)

化學文摘社登記號碼(CAS number): 07440-37-1

外觀表面(External surface): 黑色(Color-Black)

密封方式(Sealing method): 焊接(Welding)

鋼瓶材料(Material of body): 深抽引鋼(special deep drawing steel)

公制單位(METRIC UNITS)

英制單位(US / IMPERIAL UNITS)

總長(Overall Length (approx)):	88.4 mm	3.48 in
瓶身外徑(Body Diameter):	22 mm	0.866 in
頸部外徑(Neck Diameter):	8.6 mm	0.339 in
內容積(Internal Volume (approx)):	20.4 ml	1.24 in ³
Ar淨重(Net weight of Ar (approx)):	7.1 g	0.28 oz
空瓶重量(Tare wt. of charger (approx)):	42 g	1.68 oz
總重(Gross wt. of charger (approx)):	49.1 g	1.96 oz
爆破壓(Bursting pressure):	>500 bar	>7250 lbf/in ²

壓力/溫度 (Pressure / Temperature
Characteristics):

250 bar at 20 °C	3675 lbf/in ² at 68 °F
275 bar at 50 °C	4040 lbf/in ² at 122 °F
293 bar at 70 °C	4300 lbf/in ² at 158 °F
318 bar at 100 °C	4675 lbf/in ² at 212 °F
327 bar at 110 °C	4807 lbf/in ² at 230 °F

氬氣(ARGON):

氣體供應商為元翎精密工業股份有限公司，63247台灣雲林縣虎尾鎮科虎三路18號(Gas supplied in accordance with Mosa Industrial Corp. 18, Kehu 3Rd. Huwei, Yunlin 63247, Taiwan spec. (99.99% Ar))

1 atm下的氣體壓力 (Gas density at 1 atm):	1.784 kg/m ³ at 20 °C	0.112 lb/ft ³ at 68 °F
比重(Relative density (air=1)):	1.38 at 20 °C	1.38 at 68 °F
自燃溫度(Auto-ignition Temperature)	688mbar -189.4 °C	10.114 lb/ft ³ -309 °F
分子重量(Molecular weight):	39..9	
溶解度(Solution for water @20 °C 1atr	3.36%vol	



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氬氣(ARGON):

特徵(Appearance):	氣態(vapor)	無色(colorless)
	液態(liquid)	透明(clear)
	固態(solid)	
毒性(Odor):	無毒(odorless)	
閃火點(Fire Hazard):	不可燃(non-flammable)	
急毒性(Toxicity):	無毒性，但濃度過高會造成窒息。(non-toxic, asphixiant only)	
非煙霧劑(Non aerosol)		

注意事項(CAUTION):

使用小鋼瓶請參照使用說明書的指示操作。
(Use chargers and dispensers only in accordance with instructions.)
請務加熱.使用時最高環境溫度請勿超過50°C (122°F)
(Do not heat. Maximum environmental temperature in use not to exceed 50°C (122°F).)
請勿使用於其他不相關用途。
(Do not use for any other purpose.)
請勿吸食. 濫用會危害您的健康。
(Do not inhale. Misuse can be physically harmful and dangerous to your health.)

搬運及儲存(HANDLING AND STORAGE):

保持低溫及乾燥，並遠離陽光直射及熱源。(Keep cool and dry, keep away from direct sunlight and heat.)
不可丟棄未使用之小鋼瓶。不要使用蠻力開啓。(Never dispose of full chargers. Never force open.)
遠離小孩及未成年人(Keep out of reach of children and minors.)
可回收鋼(Recyclable steel)
儲存溫度限制(Storage temperature lir 50°C 122°F

運送(TRANSPORTATION):

DOT(US only)
Proper shipping name Argon, compressed
Class 2.2
UN/ID No. UN1006
Labeling Non-flammable Gas

包裝(PACKAGING):

大尺寸(Large case) : 鋼瓶30入裝10盒(10 boxes of 30 charger; 每箱共300支鋼瓶
(300 total chargers per case)