

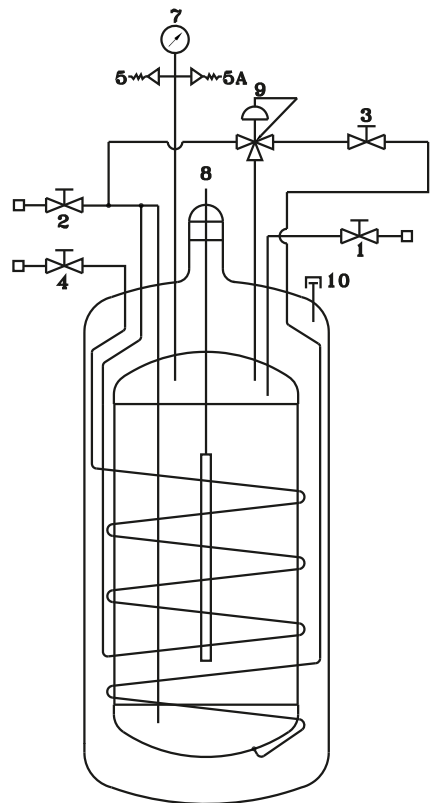
MADE IN INDIA  
HISTORICALLY FUTURISTIC



### 25 YEARS OF EXCELLENCE

- **MICROCYL** Portable cryogenic liquid cylinder for LIN, LOX, LAR, LCO<sub>2</sub>, LN<sub>2</sub>O & LNG service
- Efficient super insulation for optimum performance
- Ergonomically placed valves for ease of access, operation & maintenance
- Inner vessel of austenitic stainless steel
- Models available to suit different applications

**MICROBULK SYSTEMS : MICROCYL**



TAG NO.	DESCRIPTION
1	VENT VALVE
2	LIQUID FILL & WITHDRAWAL VALVE
3	PRESSURIZING VALVE
4	GAS WITHDRAWAL VALVE
5	SAFETY VALVE
5A	SAFETY VALVE (SECONDARY)
7	PRESSURE GAUGE
8	LEVEL GAUGE
9	COMB. PR. REGULATOR/ECONOMISER
10	EVACUATION PORT CUM SAFETY DEVICE

### Features

- High capacity regulator and built-in PBU ensures continuous gas delivery with high purity
- Convenient handling by trolley (Optional)
- Ideal for "temporary user point" applications
- Built in vaporizer coils to supply constant pressure gas at continuous flow rate
- Designed to EN 1251
- Pressure gauge and Float type level gauge
- All parts are cleaned for oxygen services
- Equipped with internationally reputed valves and gauges
- Product portability supports the option of being filled by Transport tanks at customer location/sites or carried to ASU/bulk storage location for filling

### Optional

- External vaporiser
- Burst disk
- Trolley with heavy duty caster wheels, brake and fork lift channels
- Capacitance type digital Level Gauge



### TECHNICAL SPECIFICATIONS

SERVICES		LIN, LOX, LAR, LCO <sub>2</sub> , LN <sub>2</sub> O							LNG	
DESCRIPTION	UNITS	LC15025ES	LC20025ES	LC20035ES	LC25025ES	LC25035ES	LC45025ES	LC45035ES	LCL20025ES	
GROSS VOLUME	liter/USG	158/41.7	200/52.9		245/64.8		448/118.3		200/52.9	
NET CAPACITY	liter/USG	150/39.6	190/50.2		233/61.6		426/112.5		190/50.2	
MAXIMUM ALLOWABLE WORKING PRESSURE	barg/psig	24.1/350	24.1/350	34.5/500	24.1/350	34.5/500	24.1/350	34.5/500	24.1/350	
EMPTY WEIGHT (Approx.)	kg/lbs	145/320	167/368	192/423	222/490	277/611	339/747	493/1087	167/368	
WEIGHT OF LIQUID (Approx.)	LIN	kg/lbs	121/267	154/339		188/414		345/761		-
	LOX	kg/lbs	171/377	217/478		266/586		486/1072		-
	LAR	kg/lbs	210/463	266/586		326/719		596/1314		-
	LCO <sub>2</sub>	kg/lbs	158/348	200/441		245/540		449/990		-
	LN <sub>2</sub> O	kg/lbs	183/403	232/511		284/626		520/1146		-
	LNG	kg/lbs	-	-		-		-		58/128
OUTSIDE DIAMETER	mm/inch	556/21.9	556/21.9		696/27.4		788/31		556/21.9	
OVERALL HEIGHT (Note 5)	mm/inch	1410/55.5	1691/66.6		-		1925/75.7		1750/68.9	
OVERALL HEIGHT Incl. Trolley (Note 6)	mm/inch	1610/63.3	1891/74.4		1625/64		2025/79.7		2300/90.55	
TROLLY BASE (LxW)	mm	700x700	700x700		760x760		830x830		700x700	
	inch	27.5x27.5	27.5x27.5		29.9x29.9		32.6x32.6		27.5x27.5	

**NOTE: 1.** Above weights are considered for liquid saturated at atmospheric pressure **2.** Flow rate up to 10 Nm<sup>3</sup>/hr **3.** Height is measured from floor to the top ring without trolley (Not applicable to LC25025ES/ LC25035ES) **4.** There may be variation in overall height with trolley, depending on make/model of caster wheels **5.** Performance parameters are based on design conditions which are available on request **6.** Options & photographs shown may not be a part of standard supply **7.** Technical specifications are subject to change due to continuous product development/upgradation without prior notice.