



Drawing No.: RYL250-40(30)

**30-40 L DISSOLVED ACETYLENE CYLINDERS**

The major technology of porous mass:

Through following experiments

Porosity 90~92 %

Drop off temper test

Density  $\leq 270$  G/L

Water bath increasing temperature test

Compressive strength  $\geq 1.8$  N/mm<sup>2</sup>

Simulating fire test

Yield temperature of fusible plug  $100 \pm 5$  °C

Simulating fire test

nominal capacity ( L )	40	35	30
Weight (kgs)	40	35	28.50
Length L1 (mm)	1050	921	792
acetylene capacity (kgs)	7.2	6.3	5.5
nominal diameter (mm)	250		
limited filling pressure at 10 <sup>o</sup> C (bar)	15.2		
The pressure of hydraulic test (bar)	52		
the pressure of sealing test(bar)	30		
The mass property	compressive strength (N/mm <sup>2</sup> )	$\geq 1.8$	
	Porosity (%)	90-92	
	Density ( g/l )	$\leq 270$	
	the axial clearance at the cylinder mouth (mm)	$\leq 2.5$	
solvent	acetone		
working environment temperature	$\leq 40$ °C		