

PILOT CONTAINER

Johnson Controls provide three sizes of pilot container; 3 L, 13 L, and 50 L charged with nitrogen to 100 bar. Pilot containers pneumatically operate an iFLOW system. They can also operate selector valves, if fitted to the system. Table 3-33 lists the maximum number of iFLOW containers that the pilot containers can operate.

Do not remove the factory-fitted solenoid valve on-site for testing purposes. The pilot container comes with a solenoid, manual actuator, a fitted contacted pressure gauge (CPG) or a fitted electronic gauge (EG) sensor, mounting brackets, outlet adaptor, 700 mm actuation hose, 1/4 in. BSPT male to 6 mm compression adaptor, and a bleed valve (with 1/4 in. bonded seal). The connected fire container monitoring assemblies are fitted with an electronic gauge sensor (Part No. 452876) only. The gauge display, gateway, and adaptors must be ordered separately. EN 12094 is not applicable to electronic gauges, and as such these container and valve assemblies have no third party approvals.

3 L and 13 L pilot containers are also available for VdS approved systems where manual release devices cannot be used. These two pilot containers come with a solenoid, contacted pressure gauge, mounting brackets, outlet adaptor, 1/4 in. BSPT male to 6 mm compression adaptor, and a bleed valve (with 1/4 in. bonded seal). A blind cap is supplied fitted to the manual actuation port.

Technical information

Gas type:	Nitrogen
Container pressure:	100 bar
Container test pressure:	300 bar
Pressure gauge:	0 bar to 160 bar
Working temperature range:	-20 °C to 50 °C
Actuation method:	Manual*** / electrical
Bracket type:	Wall mounted (3 L) Floor mounted (13 L and 50 L)
Part No. on label:	703033N2 (3 L) 703037N2UN (3 L UN) 170103014 (13 L) 26809 (50 L)

Note: 0 bar to 160 bar pressure gauge complete with a contact switch set to signal if the container pressure drops to 90 bar.

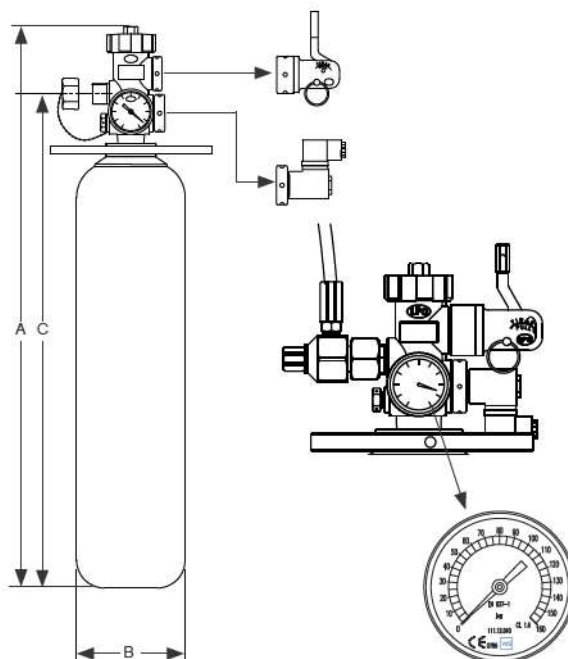


FIGURE 3-61
PILOT CONTAINER DETAILS
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WARNING

If the manual actuator (Part No. 30180APB) is not required to be fitted to the pilot container valve, then the manual actuator port blind cap (Part No. 3087008B) and o-ring (Part No. 22001505) must be fitted to this port to ensure the correct operation of the valve.

PILOT CONTAINER (Continued)

TABLE 3-33: PILOT CONTAINER DIMENSIONS

Container size	Height Dim. A	Diameter Dim. B	Height Dim. C	Maximum number of containers operated
L	mm	mm	mm	
3	635	100	550	40
13	1210	140	1120	75
50	1620	229	1535	100

Note: The maximum number of containers operated column applies to single hazard systems (no selector valves). For selector valve systems, see Section 2 - Actuation Container Requirements.

TABLE 3-34: PILOT CONTAINER ASSEMBLY DETAILS

Part No.	Container size	Pressure gauge type	Minimum nitrogen quantity	Notes
	L		kg	
70100075	3	CPG	0.3	
452877	3	EG	0.3	
70100082	13	CPG	1.5	
452878	13	EG	1.5	
70121011	50	CPG	2.0	
452879	50	EG	2.0	
170100075*	3	CPG	0.3	* For VdS system approval, manual release devices cannot be used and so blind caps are substituted.
170103015*	13	CPG	1.5	
70100084UN**	3	CPG	0.3	** Australian and New Zealand approved market.