

Bladder Details



Materials

Olaer Fawcett Christie offer a wide range of bladder materials to suit most applications. Please consult head office for details of bladder compatibility with fluid and fluid temperature.

Bladder Kit

Comprises of: bladder assembly (bladder, integral stem, gas valve, protective cap*, stem 'O' seal), anti-extrusion ring, 'O' fluid port ring, back-up ring and seal and bleed plug*.

Always quote full part number e.g. 5410A-00 54L, capacity, Butyl Rubber, 1/4" BSP.

*4 Litres capacity and above.

Table 1 - Material according to temperature range

Range of bladder materials available with their corresponding working temperature range when handling non-aggressive fluids.

Material Code	Bladder Material	Temperature Range (Deg. C)			
		Static		Dynamic	
0	Nitrile	-20	100	-15	100
1	Butyl	-15	120	-15	120
2	Low Temp Nitrile	-40	70	-25	70
3	Low Permeability Nitrile	0	105		
6	Fluorocarbon (Viton)	-20	130		
7	High Aromatic Nitrile	0	105		
8	High Temp Nitrile	0	150		
9	EPI - Chlorohydin 100	-20	120		
A	Ethylene Propylene (EP)	-20	120		
B	EPI - Chlorohydin 200	-40	120		
K	Special Low Temp Nitrile	-79	100	-59	100
L	Peroxide Cured EPDM	please contact us for details			
M	High Temperature Fluorocarbon	-10	200		
N	Low Temp Nitrile	-45	70		

Table 2 - Bladder capacity / overall dimensions

Accumulator Capacity (l) Nominal	Dimension		Stem Diameters		
	"H"	"D"	5/8" (16mm)	7/8" (22mm)	2" (50mm)
0.16	154	41	*		
0.6	132	73	*		
1.15 (1.25)	147	91	*	*	
3	335	100	*	*	
4	203	142		*	
5	680	100		*	
6	305	142		*	
9 (10)	570	142		*	
12.5	655	142		*	
10	283	198		*	*
12	406	198			*
20	610	198		*	*
24.5	719	198			*
28	880	198		*	*
37	1128	198		*	*
42	1280	198		*	
54	1603	198		*	*

The information in this datasheet is subject to change without prior notice.