



SOUTHCOTT BLADDER ACCUMULATORS

CONSTRUCTION: Pressure vessel is seamless and manufactured from high tensile steel
 BLADDER: NBR - Alternatives available on request
 INSTALLATION: The preferred mount position is vertical - fluid port down
 ACCUMULATOR MOUNTING: Mount by accumulator supports - see page K4.
 WORKING TEMPERATURE: -10°C to 80°C.
 MAXIMUM ALLOWABLE PRESSURE RATIO: <4:1
 GAS CHARGING PORT: 1/4"BSPP
 GAS CHARGING KIT: see page K4

Bladder accumulators can be used in a wide variety of applications:
 Energy Storage, Emergency Operation, Leakage Compensation, Volume Compensation, Shock Absorption
 Vehicle Suspension, Pulsation dampening.



Model Code: SBA - 1.0 - 350 - G34 - CN11

Series _____
 SBA - Southcott Bladder Accumulator

Volume (Litres) _____
 1.0, 2.5, 4.0, 10, 20, 32, 50, 57

Pressure (bar) _____

Port Size (BSPP) _____

Type _____
 CN11 = Carbon Steel, Nitrile Bladder
 SN11 = 316 Stainless Steel, Nitrile Bladder

Part No.	Nominal Volume	Effective Gas Volume	Maximum Working Pressure	Dimensions			
	(Litres)	(Litres)	(bar)	A	B	Fluid Port (BSPP)	KG
SBA-1.0-350-G34-CN11	1.0	1.1	350	330	116	3/4"	6
SBA-1.0-420-G34-CN11			420				
SBA-2.5-350-G114-CN11	2.5	2.4	350	549	170	1-1/4"	11
SBA-2.5-420-G114-CN11			420				
SBA-4.0-350-G114-CN11	4.0	3.6	350	434	170		15
SBA-10-207-G2-CN11	10.0	9.4	207	560	230	2"	31
SBA-10-345-G2-CN11			345				
SBA-10-420-G2-CN11			420				
SBA-20-207-G2-CN11	20.0	18.8	207	880	230	2"	49
SBA-20-345-G2-CN11			345				
SBA-20-420-G2-CN11			420				
SBA-37-207-G2-CN11	37.0	35.2	207	1415	230	2"	81
SBA-37-345-G2-CN11			345				
SBA-37-420-G2-CN11			420				
SBA-50-207-G2-CN11	50.0	49.2	207	1920	230	2"	110
SBA-50-345-G2-CN11			345				
SBA-50-420-G2-CN11			420				
SBA-57-345-G2-CN11	57.0	52.2	345	2000	230	2"	146
SBA-57-420-G2-CN11			420				

Note:
 The charging cap of 207 bar accumulators is black in colour.
 The charging cap of 345/350 bar accumulators is coloured bronze.
 Use O-ring seal on BSPP ports except size G3/4 use Dowty seal