

Charging Kit #STA-CK-1

To maintain optimum performance in hydraulic systems employing accumulators, it is recommended that the gas pre-charge pressure be checked regularly. A loss in the gas pre-charge pressure will cause a drop in the system efficiency and may cause damage to the accumulator bladder, diaphragm or piston.

The charging kit allows hydro-pneumatic accumulators, whether bladder type, diaphragm type or piston type, to be charged with nitrogen to the desired pressure. For this purpose, the kit is connected to a commercially available nitrogen cylinder by a flexible hose.

The kit can also be used by technicians to check the current gas pre-charge pressure. The control valve incorporates a pressure gauge to permit direct pressure readings as well as a check valve to prevent back flow in the case of low pressures in the nitrogen cylinder. A manual bleed valve allows excess pressure to be reduced to the desired operating pre-charge level.



- Pressure gauge is a safety pattern type to AS1349-1986

The kit has adaptors to connect the hose to the nitrogen cylinder as well as adaptors to connect the control valve to the accumulator.



Order Code	Description
STA -CK -1	Accumulator Charge Kit
Comprising of:	
SAA50019	0.302 x 32 TPI adaptor
SAA10143	7.8" UNF adaptor
SAA50510	1/4" ISO 228 adaptor
SAAGAS531	Type 50 - 1/4" BSPT bottle adaptor
SAA2069	Valve
SAA2069T	Valve tool
SAAPC2156/250	Charging/pre - loading/gauge set
SMS20/M 1/4-2000AGAS H	ose assembly - 2m

- Optional: 0-17000 kPa outlet nitrogen regulator. Code SAR017000



- Stauff recommend the use of nitrogen gas only for pre-charging of accumulators.

- Always wear protective safety glasses.



SAA 10143



SAA 50019



SAA 2069



SAAGAS531



SAA 50510



SAA 2069T

Note: Pictures not to scale.

- Other adaptors available upon request.