8.1 General

It is used for the **periodic check** of the precharge or it is used for the **inflation** of all the diaphragm accumulators with **5/8" UNF gas connection.**
For the inflation is necessary a connection to a bottle filled with industrial dry nitrogen with a pressure higher than the precharge value required, provided with **pressure reducer** (mandatory, for safety reasons, during the inflation of accumulators type **AMP** and for all the accumulators with PS < 200 bar).
Furthermore the use of a pressure reducer make easier the **slow and graduated** inflow of nitrogen on the diaphragm avoiding in this way the possibility of damaging of the diaphragm itself.

8.2 Construction

STANDARD VERSION includes:

• *Valve body complete with ring nut connection to accumulator gas valve, pressure gauge, bleed, and non return snap-in hose connection.*
• *3 m charging hose for high pressure series complete with bottle connections.*
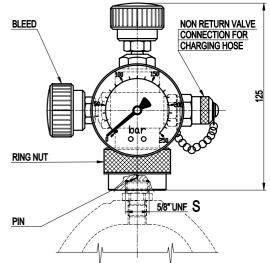• *A connection nipple to pressure reducer.*
• *Set of spare gaskets.*
• *Case.*

ON REQUEST:

• *ADAPTER for special accumulator gas valves.*
• *CHARGING HOSE with lenght of 6 m.*

8.3 Technical features

Max working pressure:	*600 bar*
Accumul. connection:	*5/8" UNF (standard)* *7/8" UNF; ø 7,7x1/32" (Vg8); 1/4" ISO 228; (on request)*
Bottle connection:	*See section 8.5 and page 35 cat. 1007/2004*
Pressure gauges:	*- ø 63 connection 1/4" ISO 228* *- full scale 250 bar*
Weight:	*1,8 kg (case included)*

8.4 Spare parts

Gasket set	2160	Complete bleed	2164
Non-return valve	2162	Charging hose	2166/(metres)...
Central pin	2165	Pressure gauge	2163/ (bar)...

BLEED — NON RETURN VALVE CONNECTION FOR CHARGING HOSE

RING NUT

PIN — 5/8"UNF S

125

Adapter for special valve connection

Adapter 50019 — 5/8"UNF **A** — DR 108 — ø7,7X1/32"(Vg8)

Adapter 10143 — 5/8"UNF **C** — DR 108 — 7/8"UNF

Adapter 50510 — 5/8"UNF **B** — Gasket. 11x5x2 — 1/4"ISO 228

Adapter 50508 — 5/8"UNF **D** — DR 102 — ø7,7X1/32"(Vg8)

8.5 Identification code

The example below shows equipment for filling and checking with pressure gauge of 250 bar, with accumlulator connection 5/8" UNF and standard bottle connection, complete with 3 m hose and case.
SAMPLE OF DESIGNATION:

PC | **250** | **S** | **1** | **–** | ☐

Type	Pressure gauge (bar)	Connection to accumulator	Connection to bottle 1) (according to Country standards)				Charging hose (metres)
PC *Pre-loading and checking*	*250*	**S** = *5/8" UNF (standard)* **A** = *ø 7,7x1/32" (Vg8)* *(adapter 50019)* **B** = *7/8" UNF* *(adapter 10143)* **C** = *1/4" ISO 228* *(adapter 50510)* **D** = *ø 7,7x1/32" (Vg8)* *(long thread)* *(adapter 50508)*	**1** = *Italy* **2** = *Austria* *Belgium* *Czech Republic* *Denmark* *Finland* *Germany* *Netherlands* *Norway* *Poland* *Sweden* *Switzerland*	**3** = *Egypt* *France* *Hungary* *Mexico* *Morocco* *Romania* *Saudi Arabia* *Slovenia* *Spain* *Tunisia*	**4** = *Argentina* *Australia* *Great Briitain* *Greece* *India* *Indonesia* *New Zeland* *Philippines* *Portugal* *Singapore* *Turkey*	**5** = *Brazil* *South America* **6** = *South Africa* **7** = *Canada* *USA* **8** = *Russia* *Venezuela* **9** = *Japan* **10** = *Taiwan* **11** = *China* **12** = *Korea*	**–** = *3 m* *(standard)* **L** = *6 m* *(on request)*

1) Other types on request