

11.1.1 TECHNICAL DATA

MAX OPERATING PRESSURE (PS): 600 BAR

PRESSURE TEST (PT): 1.43 x PS

SCALE OF PRESSURE GAUGE:

4 - 10 - 16 - 25 - 60 - 100 - 250 (std.) - 400 - 600 bar

WORKING TEMPERATURE: - 20 ÷ +80°C

MEDIUM: Nitrogen

NITROGEN CONTAMINATION DEGREE:

class 20/18/15 according to ISO 4406/99

BODY MATERIAL: phosphated carbon steel or galvanized
carbon steel in compliance with Directive
2002/95/EC (RoHS) to resist to corrosion

SEALS MATERIAL: P = Nitrile rubber (NBR) and Delrin

FILLING VALVE CONNECTION: 5/8" UNF + adapters (upon request)

WEIGHT: 1.8 Kg. (complete with case)

11.1.2 DESCRIPTION

The charging and gauging assembly consists of 3 mt. charging hose with standard nitrogen nipples, body incorporating gas valve connection, bleed valve and check valve. These kits are packed in a plastic storage case. Gauge is diameter 63 mm. diam type pressure gauges with 0÷250 bar graduation. The following charging kit are recommended to be used on all piston accumulators (with standard filling valves V or VX), on all bladder accumulators, on screwed and forged diaphragm accumulators. It is used for the periodic check of accumulator pre-charge and for the inflation of accumulators after the maintenance or it is used for the change of pre-charge value. For the inflation, it is necessary a connection to a bottle filled with industrial dry nitrogen with a pressure higher than the pre-charge value required, provided with pressure reducer (mandatory, for safety reasons, during the inflation of accumulators with PS < 210 bar).

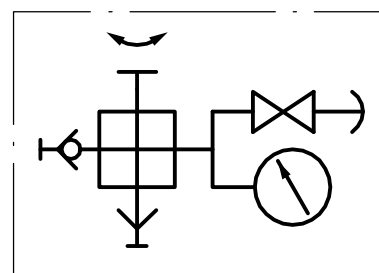
Furthermore, the use of a pressure reducer makes easier the slow and graduated inflow of nitrogen on the bladder, thus avoiding the possibility of damaging the bladder itself.

NOTE: These assemblies are not recommended for continuous monitoring of gas pre-charge. For continuous monitoring, see Gas Adapters at Section 8.3



11.1a

11.1.3 HYDRAULIC SYMBOL



11.1b

11.1.4 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 mt charging hose for high pressure series complete with bottle connection.
- Set of spare gaskets.
- Case.

UPON REQUEST:

- Nipple for to pressure reducer.
- ADAPTERS for special accumulator gas valves.
- CHARGING HOSE with length of 1 - 4 - 6 mt.

11.1.5 ORDER CODE

1	2	3	4	5
PC	250	S	1	-

1	Series
Pre-loading and checking	= PC

2	Scale of pressure gauge (bar)
0 ÷ 4 =	4
0 ÷ 10 =	10
0 ÷ 16 =	16
0 ÷ 25 =	25
0 ÷ 60 =	60
0 ÷ 100 =	100
0 ÷ 250 =	250 (standard)
0 ÷ 400 =	400
0 ÷ 600 =	600

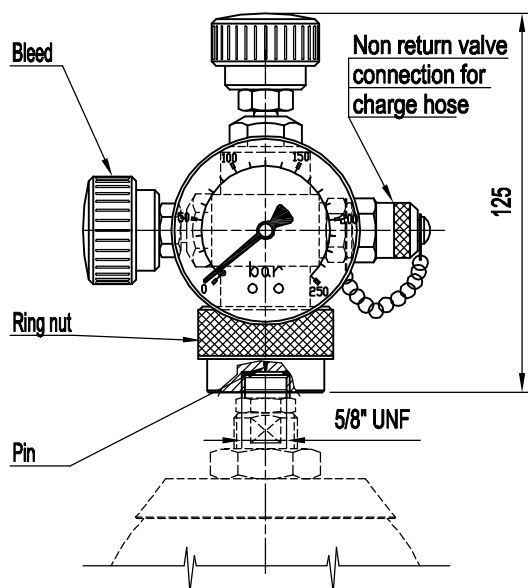
3	Filling valve connection
5/8" UNF	= S (standard)
VG8 (Ø 7.7 x 1/32")	= A
7/8" UNF	= B
1/4" BSP ISO 228	= C
VG8 (Ø 7.7 x 1/32")	
long thread	= D
7/8" UNF with pin	= E

5	Charging hose (meters)
Standard 3 mt =	-
1 mt =	C
6 mt =	L

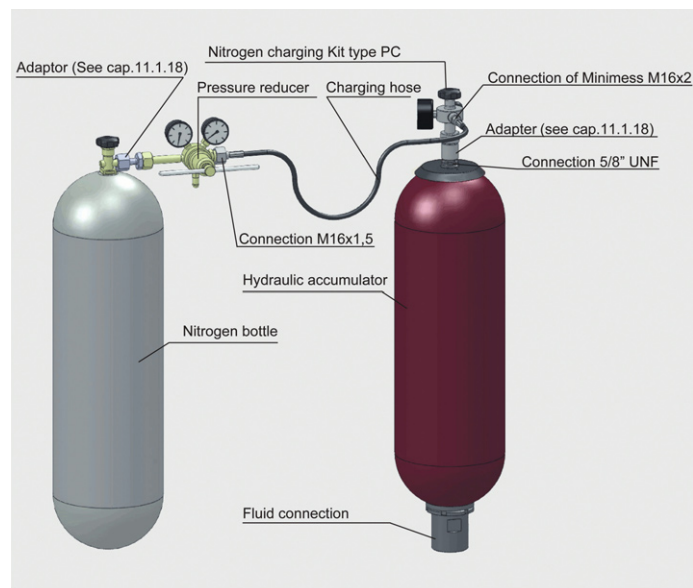
4	Connection to bottle (according to Country standards)
Italy	= 1
Austria	= 2
Czech Republic	
Denmark	
Finland	
Germany	
Netherlands	
Norway	
Poland	
Sweden	
Switzerland	
Belgium	= 3
Algeria	
Bahrain	
Bulgaria	
Egypt	
France	
Gabon	
Guinea	
Hungary	
Iran	
Iraq	
Israel	
Ivory Coast	
Jordan	
Kuwait	
Libya	
Mauritius	
Mexico	
Morocco	
Mozambique	
Nigeria	
Oman	
Qatar	
Romania	
Saudi Arabia	
Slovenia	
Spain	
Syria	
Tunisia	
United Arab Emirates	
Argentina	= 4
Bahamas	
Barbados	
Costa Rica	
Cyprus	
Ethiopia	
Gambia	
Ghana	
Great Britain	
Greece	
Hong Kong	
India	
Indonesia	
Ireland	
Jamaica	
Kenya	
Malaysia	
Malta	
New Zealand	
Pakistan	
Portugal	
Singapore	
Sri Lanka	
Sudan	
Tanzania	
Thailand	
Turkey	
Vietnam	
Zambia	
Brazil	= 5
Puerto Rico	
South Africa	= 6
Philippines	
Australia	
Canada	= 7
U.S.A.	
Albania	= 8
Russia	
Venezuela	
Japan	= 9
Taiwan	= 10
China	= 11
Korea	= 12
Bolivia	= 13
Chile	
Colombia	
Dominican Republic	
Ecuador	
Guatemala	
Guyana	
Honduras	
Paraguay	
Peru	
Uruguay	

Special variants on request

11.1.6 DIMENSIONS



11.1c



11.1d

11.1.7 SPARE PARTS CODE

Spare parts	number code
Complete PC body with manometer	B2156/*
PC body without manometer	B2157
Manometer	B2163/*
Flexible hose of 1 meter	B2166/1
Flexible hose of 3 meters (standard)	B2166/3
Flexible hose of 4 meter	B2166/4
Flexible hose of 6 meter	B2166/6
Complete central pin	B2165
Complete bleed	B2164
Non return valve	B2162
Seals kit	B2160/**
Seal face for filling valve	B10342 D

* = see scale of pressure gauge at Section 11.1.4

** = see table 11.1h for country codes

11.1d