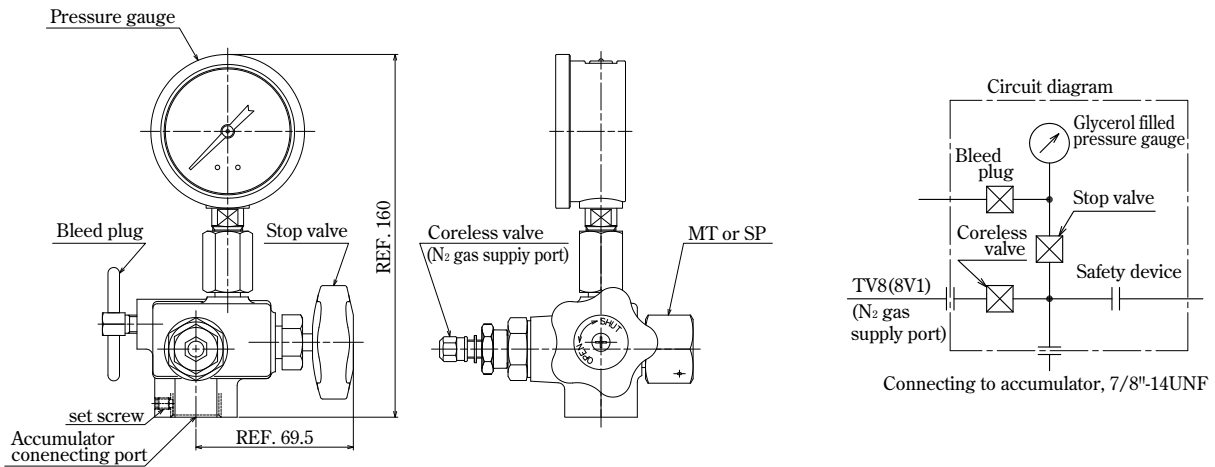
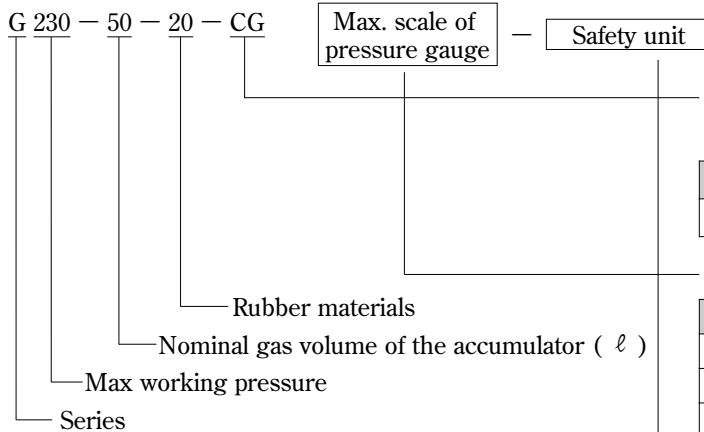


Accessories on gas side

1. Coreless type gas port



Model symbols :



○ Coreless type gas port (Approved by the Japanese High Pressure Gas Safety Act of METI)

Type	Max working pressure	Pressure test value
CG	34.4MPa	52MPa

○ Glycerol filled pressure gauge

Standard max scale value	Working pressure range
25MPa	0 ~ 18MPa
40MPa	0 ~ 25MPa
60MPa	0 ~ 34.4MPa

○ Not required for 10 or more liters accumulator because this is being installed in the bladder assembly.

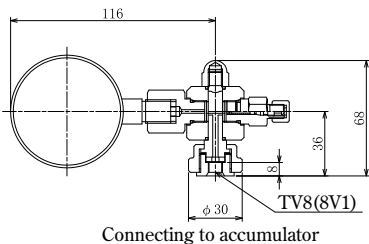
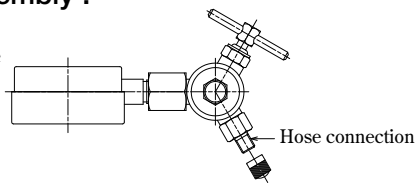
Safety-unit Type	Melting Temperature
MT	105 ± 5°C
SP	Stop plug

Note:

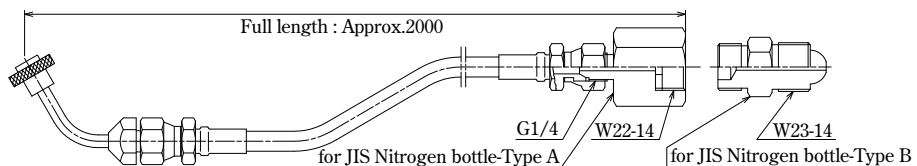
Only a charging hose assembly is required when the coreless type gas port is being installed. In other words, the charging valve assembly is not required when the coreless type gasport is being installed.

2. Charging Assembly :

○ Charging Valve (VR type)



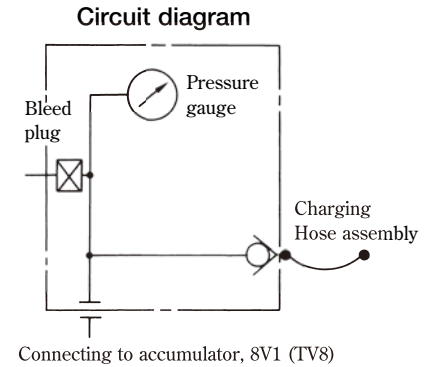
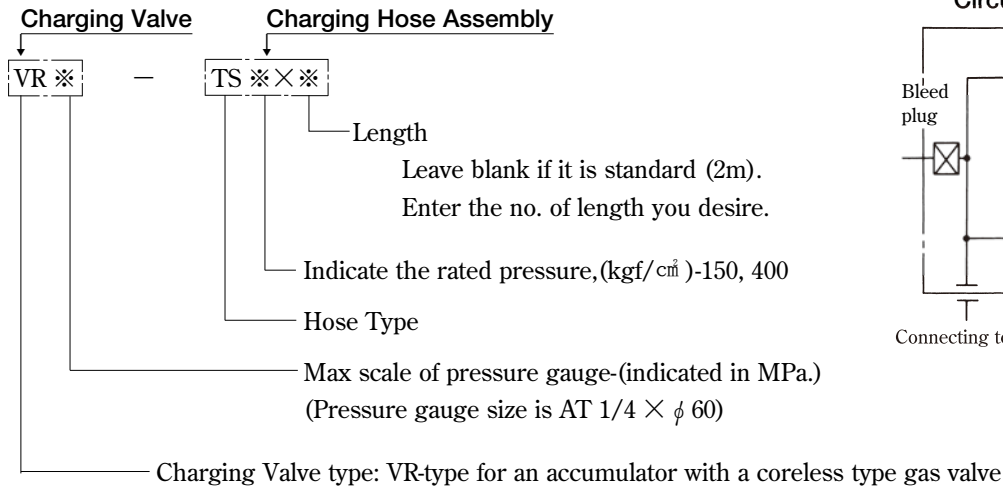
○ Charging Hose Assembly



● Caution in the case where the charging pressure is extremely low pressure.
When the charging pressure to VR type gas valve is less than 1MPa, there is possibility not to be able to charge gas into an accumulator due to the cracking pressure of the check valve (core) of the charging valve. Therefore, if the charging pressure is less than 1MPa, please let us know before you order. The charging valve (VRZ type) for extremely low pressure is recommended. If you have any questions, please feel free to contact us.

Charging Hose Type	Max working pressure	Standard length
TS150	14.7MPa	2m
TS400	39.2MPa	2m

■ Model symbols :



Note: If the charging gas pressure is less than 1MPaG, please let us know before you order.

3. Melting plug :

Melting plug is a safety device to protect the accumulator from abnormally high temperature environment.

■ Features :

- Melting plug doesn't have moving parts, so it is dependable as a safety device.
- Because Melting plug is installed separate from the gas supply valve seat, there is not damage due to charging gases.
- Even if the fuse is melted by fire disaster, the valve-guard prevents the melted piece from blasting off.
- Because Melting plug is being incorporated into the valve stem of bladder, this is renewed by replacing the bladder and no extra space is required.
- Melting plug is safe against external shocks, etc.

Standard melting temperature is $105 \pm 5^{\circ}\text{C}$. The temperature is designed for the plug to start melting at the time when the accumulated pressure increases higher than the accumulator's max pressure.

After that, the accumulated gas is discharged from the plug hole and controlled not to greatly exceed the max pressure.

Please take care that there is a possibility the plug starts melting during operation in high temperature environment over 80°C , and it leads gas leak. In this case, we recommend to use Melting plug for high temperature, that starts melting at $180 \pm 10^{\circ}\text{C}$.

To select appropriate safety device, please let us know before you order.

