4. OPERATING

TURNING ON

- Before bottle valve (1) is turned on , pressure regulator must be checked again to check it is on or off position (Pressure adjusting screw (8) must be turned to counterwise).
- Bottle valve (1) is opened to the end slowly. In this situation, high pressure gauge (4) which is located on bottle side of pressure regulator shows bottle pressure .
- Until the usage pressure obtained on the low pressure gauge (6) , pressure adjusting screw (8) is turned to clockwise direction.

OUTLET PRESSURE REGULATION

- For increasing the outlet pressure, pressure adjusting screw(8) is turned to clockwise direction.
- For decreasing the outlet pressure, pressure adjusting screw (8) is turned to counterclockwise.
- Gas outlet pressure shouldn't be regulated more than pressure value which signed by red colour on Low pressure gauge.

TURNING OFF

- Bottle Valve (1) must be turned off .
- By turning the Pressure adjusting screw(8) to countercloch wise until the Low pressure gauge (6) shows the " 0 " value, gas into the pressure regulator must be drained

5. OXYGEN GAS USAGE CAUTIONS

- Pure oxygen is a ignitor. Through the pure oxygen affords strong combustion with flammable gas or other flammable elements, usage of this gas must be done very carefully.
- Oxygen gas shouldn't be used for other actions (blowing of parts, chips, etc. , cleaning of dust from clothes, fabric, etc.)
- Oxygen tools shoundn't have been greased. These tools should be stored in clean places which are purified from oil and grease. If pressure regulators contact with oil or grease, this regulator shouldn't have been used .
- Pressure Regulator (air used regulator) which can be contain oil remain, shouldn't be used on oxygen tubes.

6. OPERATING AND MAINTENANCE CAUTIONS

- Repair and maintenance should be done by authorized services and only original spare parts should be used. Producer declines a liability of damages which are occurs from repairs out of its control.
- Pressure regulator manometer glasses shouldn't be cleaned by chemical elements like oil products or thinner.
- Pressure regulators must be checked **periodically and if any part (coupling seal, manometers, inlet union, outlet union) is damaged or dirty, oily etc., shouldn't have been used without repair or maintenance.**
- If there is a gas leakage on pressure regulator, manometers are damaged or safety valve is on, tube valve must be turned off and pressure regulator never be used.

7. STORING AND TRANSPORTATING

- For avoding the damage of the product During the carriage or transportation, , keep it in its box.
- When the regulator does not used for a long time, it must be stored in its package or box for protecting it from dirty, oil or another dirt sources.

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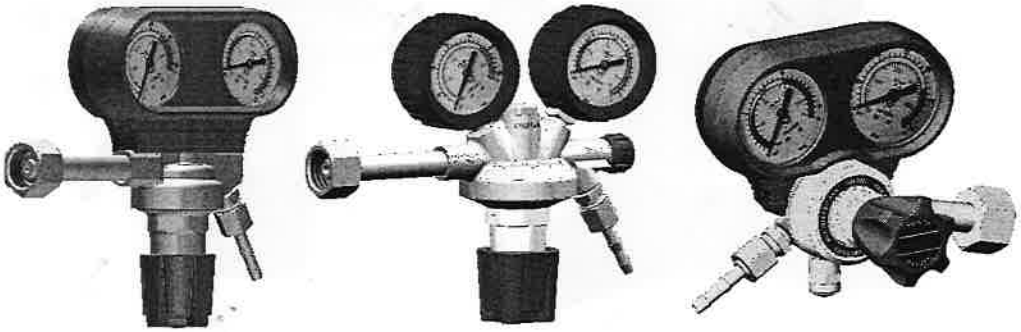
PRESSURE REGULATORS OPERATING INSTRDUCTIONS



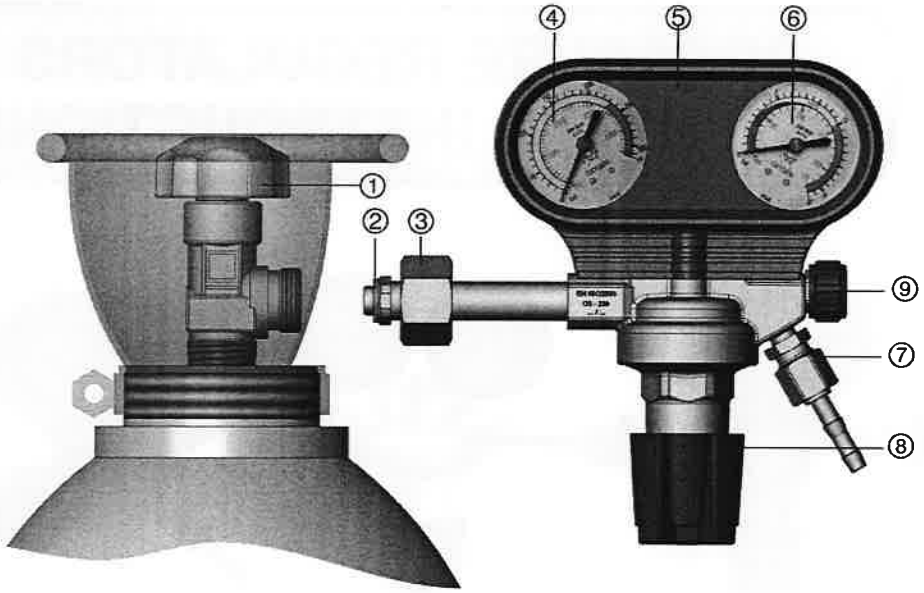
Pressure regulators must be used by regarding the safety cautions which are specified in this introduction

DESCRIPTION

Pressure regulator reduces gas pressure which is highly stored in tube to required usage pressure and keep in ballance.

CAUTION ..!

- On pressure regulators usage, operating and safety direction which are specified in this instruction must be applied..! Otherwise, dangerous situations like fire and explosion would be occured.
- These directions provide accurate usage information for avoding from loss or damage.
- Sections declared by caution sign (⚠) contain safety informations. These informations must be read carefully and executed.



1- Bottle Valve
2- Coupling seal
3- Inlet Nut
4- High Pressure gauge
5- Manometer protection
6- Low pressure gauge
7- Hose Connection
8- Pressure adjusting screw
9- Outlet Valve

1. CAUTIONS

- Without our company's control or information, any change shouldn't be done on pressure regulator. The incorrect usage of pressure regulators may cause serious damages. Regulators must be used by trained staff.
- Pressure regulators must be protected from accidental impacts, oil and another dirt sources.

⚠ Explosion Danger ; Parts, hands and tools may contacts with oxygen must be purified from oil and grease.

⚠ Acetylene pressure regulator never be used above 1.5 bar outlet pressure

⚠ Bottles that are fixed to regulators, must be placed at upright direction and must be protected from fall danger.

- Safety cover which is secured by producer, shouldn't be changed.
- Pressure regulator must be used in from -20°C to +60°C ambient temprature.
- When pressure regulators are used with oxygen or flammable gas (acetylene, propan etc.), using of falashback arrester is suggested for safety.

⚠ Smoking and open flame shouldn't be in gas distrubition areas.

⚠ Pressure Regulators must be used considering marked informations on the body

2. INSTALLITION

- Before the installation, considering pressure regulator, gas type and bottle pressures must be controlled.
- Before screwing pressure regulator in bottle valve **(1)** Bottle valve must be openned and closed lightly for a while for removing liable dirt from valve mount. During this action, keep your hand away from tube valve and don't be placed in front of it.
  If coupling seal **(2)** of the pressure regulator is crocked or lost, this seal must be changed with new one.
- Before the pressure regulator screwed in bottle valve **(1)**, pressure regulator must be on OFF position. For controling this action, pressure adjusting screw **(8)** must be turned to counterclockwise.
- By using suitable wrench, inlet connection nut **(3)** must be screwed in bottle valve **(1)** tightly.
- Pressure regulator which is screwed in bottle valve must be on upright position (Pressure adjusting screw **(8)** must be positioning to floor and manometers must be positioning to the user).
- Gas hose which is adequate must be attached to pressure regulator's hose connection **(7)** by using hose clip.

3. TECHNICAL INFORMATION

3.1 Used Gas Type and Technical Specifications

			STANDART	PRESSURE		GAS FLOW
GAS	**SYMBOL**	**COLOR**	**EN ISO 2503**	**INLET (BAR)**	**OUTLET (BAR)**	**Q_1**
Oxygen	O	Blue	3	0-230	10	30 m³/h
Acetylene	A	Red	2	0-25	1,5	5 m³/h
CO_2	B	Grey	1	0-230	-	21 l/min
Nitrogen	N	Grey	1	0-230	4	5 m³/h
Argon	N	Grey	1	0-230	-	21 l/min

3.2 Marking