4. Start-up

- 4.1 Before starting the work this operating instruction are to be read and be considered during the work.
- 4.2 Examine whether the connecting threads are clean and without damage. In the case of damage or contamination the tapping point may not be attached.



After the assembly of the connection to the gas supply all connections have to be proofed.

5. Operation and maintenance

- 5.1 Make sure that seals, sealing surfaces and pressure gauges are in good condition.
- 5.2 Tapping points have to be protected against damage. (Visual inspection in regular intervals)
- 5.3 In case of malfunctions, e.g. an increase of outlet pressure during the supply, or in case of leakage versus atmosphere or a defective pressure gauge, shut down the upstream gas supply and take the tapping point out of operation.

6. Shut-down



- 6.1 Short interruption: close the ball valve.
- 6.2 For longer interruptions or end of work: close ball valve.

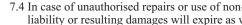
7. Repair



- 7.1 Repairs may only be carried out in authorised workshops by expert persons.
- 7.2 Only original spare parts may be used. The materials have been adapted to the gas type in each instance. So always specify the gas type



7.3 After being repaired, the tapping point must be checked with respect to proper function, leak-tightness and cleanliness of the gas-wetted surfaces. When the system is used again, a purging has to be carried out first.



- 7.4 In case of unauthorised repairs or use of non-original spare parts, any from of liability or resulting damages will expire as well as the manufacturer's warranty.
- 7.5 Before disconnecting of the tapping point make sure that the gauges display 0.

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1. Application

1.1 Designated use

Use the tapping point ET65-BV for gases dissolved under pressure, compressed or liquified gases.

The tapping points ET65-BV reduces an inlet pressure to an as constant as possible outlet pressure.

1.2 Not-designated use

▲ Do not use the tapping point ET65-BV for liquids.

▲ Do not use unsuitable gas types or caustic gases.

1.3 Flow

Inlet press.	Flow [m³/h] at outlet press. P₂ [bar]					
[bar]	0,3	0,5	3	6	10	20
40	-	5	15	20	40	50
25	2	5	15	20	30	45
20	2	5	15	20	25	-
10	2	5	12	15	-	-
1	1	1	-	-	-	-
0,5	0,5	-	-	-	-	-

The flow rate of other gases will be multiplied with the following factors:

1,05
4,00
0,90
0,85

This equipment requires the attention of this operating instruction and in particular the safety instructions. spectron



2. Safety instructions

- 2.1 The information marked with \triangle are important safety instructions.
- 2.2 This tapping point corresponds to state-off-the-art technology and to the demands of the existing standards and regulations.



- 2.3 Changes or modifications are not allowed to be made to the tapping point for without the prior consent of the manufacturer.
- 2.4 Do not connect the tapping point to a gas cylinder.
- 2.5 Improper handling and use can evolve risks for the user and other persons as well as damage to the device.
- 2.6 Attention has to be paid to the country specific laws, regulations procedures concerning the use of this equipment.
- 2.7 All parts coming in contact with oxygen must be kept in oil-free and grease-free condition.

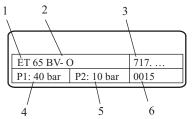


2.8 Smoking or open fire in the vicinity of your gas supply system is strictly prohibited!

Fire or explosion hazard!

- 2.9 Only for gases, which are indicated in the labelling at the pressure regulator (see item 3, Labelling)
- 2.10 The tapping point must not be exposed to ambient temperatures below -30°C and above +60°C.

3. Labelling/Technical data



- 1 Type
- 2 Gas type
- 3 Article No.
- 4 max. Inlet pressure
- 5 max. Outlet pressure
- 6 date of manufacture

Synonym		
A		
0		
Н		
D		
P		
Y		
M		
N		



Back of the pressure regulator: inspection stamp confirming successfully passed test.

Technical data

single stage Type: Inlet pressure P₁: max. 40 bar for Acetylen: max. 1,5 bar

Outlet pressure P₂:

for $P_1 = 1.5$ bar (Acetylen): 1.5 bar

for $P_1 = 40$ bar (other gases): 1,5 / 2,5 / 10 / 20 bar

materials:

Body, bonnet: brass Diaphragm, Regulator seat: EPDM

Temperature: -30°C bis +60°C 10⁻⁴ mbar l/s He Leak rate: Weight: ca. 2,0 kg

Connections:

G 1/4"- female Gauge connection: Inlet: Flammable gas: G 3/8"LH- female G 3/8"- female Other gases:

Outlet:

Flammable gas: G 3/8"LH- male Other gases: G 1/4"- male

4. Dimensions

