VALVES THREADED BUTTERFLY MOTORIZED PACKAGE
TBV-CMAP SERIES

FEATURES

Features of the butterfly valve:

- Valve body: AVP
- Valve seat: AVP
- Seat disc: AVP
- Butterfly valve stem: brass
- Handwheel: aluminium
- "O" ring seal
- Max. operating pressure: 1.7 bar
- Max. fluid temperature: 100°C

Features of the electric control MOD. ECON-O:

- Voltage: 24/115/230+10%-15% 50/60Hz
- Proportional control signal on request: 0÷10V, 4÷20 mA (only for ECON-O 24V)
- Power consumption: 4 VA
- 2 auxiliary micro switches: 5A/250Vac
- Electrical protection: IP54
- Connections: No. 2 cable entries PG13.5
- Angle of rotation: 90°
- 90° rotation time: 7 to 120 s (average 60 s)
- Maximum operating temperature: -10°C to +60°C
- Rated torques available: 4Nm, 7Nm, 15Nm, 20Nm, (aver.20Nm)
- Housing: die cast aluminium
- Drive shaft: 9.5 mm
- Potentiometers available: 150 Ohm, 1000 Ohm, 2500 Ohm (standard no. 1 1000 Ohm)
- Mass: 2.5 kg
- Operating position: any

APPLICATIONS

- Manual gas/air valve.
- Non sealing.

DESCRIPTION

The TBV-CMAP is a particular modulating, butterfly valve. Air flow in low and high pressure lines is easily and effectively controlled by the butterfly valve. This may be done manually or automatically by using a dial handle or by some suitable electric control equipment (Model ECON-O). Disc position is indicated by a pointer on the valve crank arm.

Note: The limit switches of the Modulating Motors are supplied factory set. It is advisable to check these limits during plant commissioning and reset if necessary.

INSTALLATION

- Butterfly valve may be mounted in any plane (Note: Adhere to Mod. Motor manufacturers operating instructions on electrical versions).
- It is recommended that the butterfly valve is mounted down stream of any measuring device.
- If the valve is electrically controlled respect the maximum pressure limits.
- Flanged design makes installation easier.
- Robust design ensures extended operation in extreme conditions.

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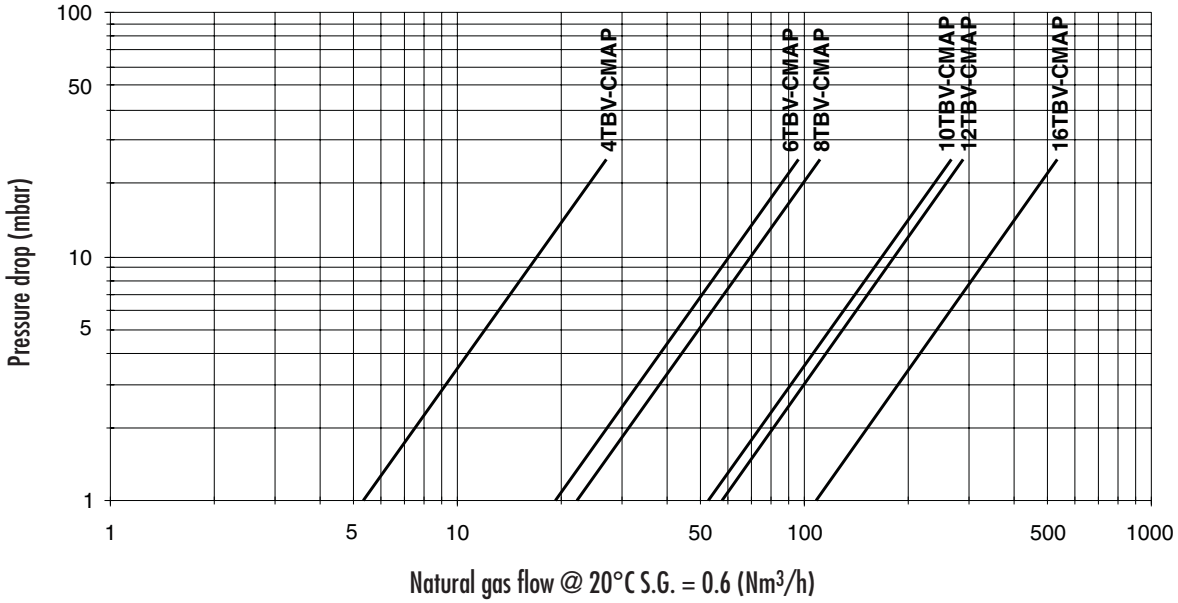
CAPACITY TABLE



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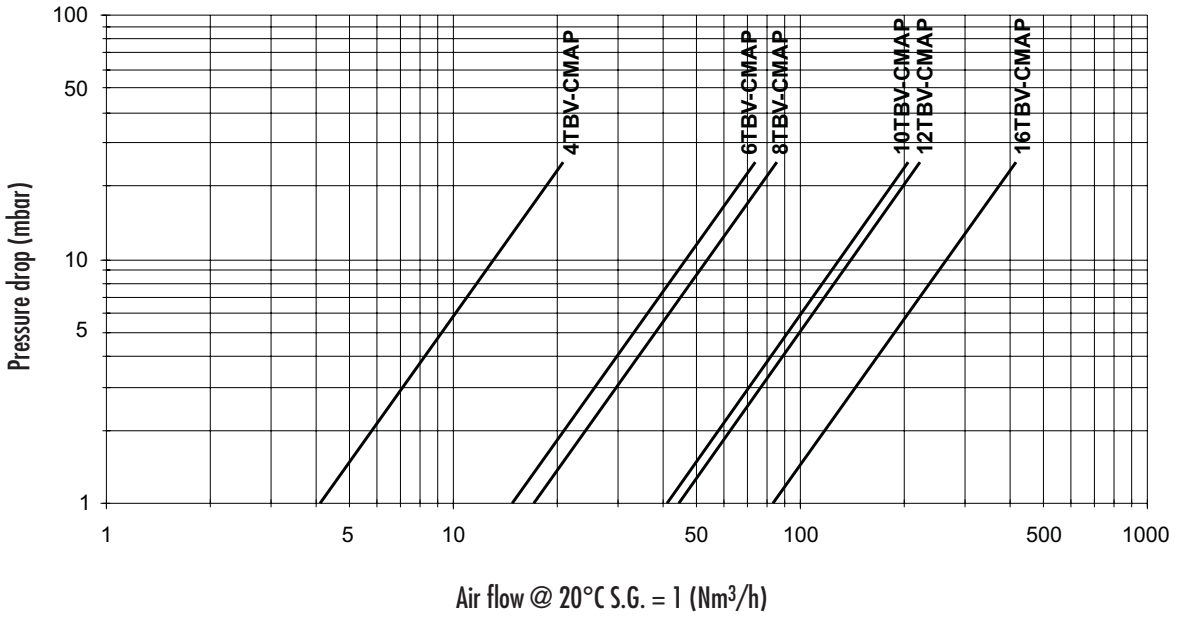

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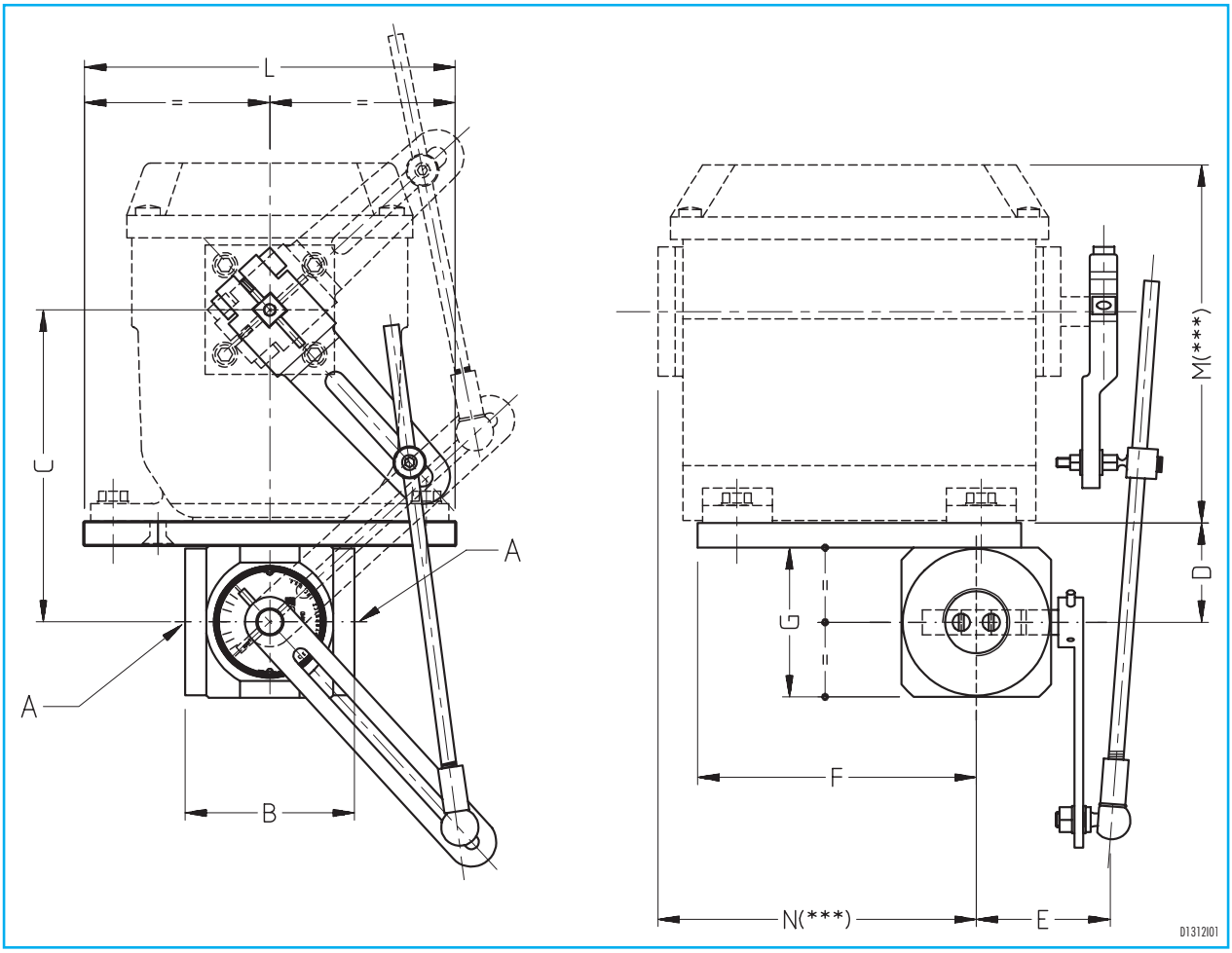
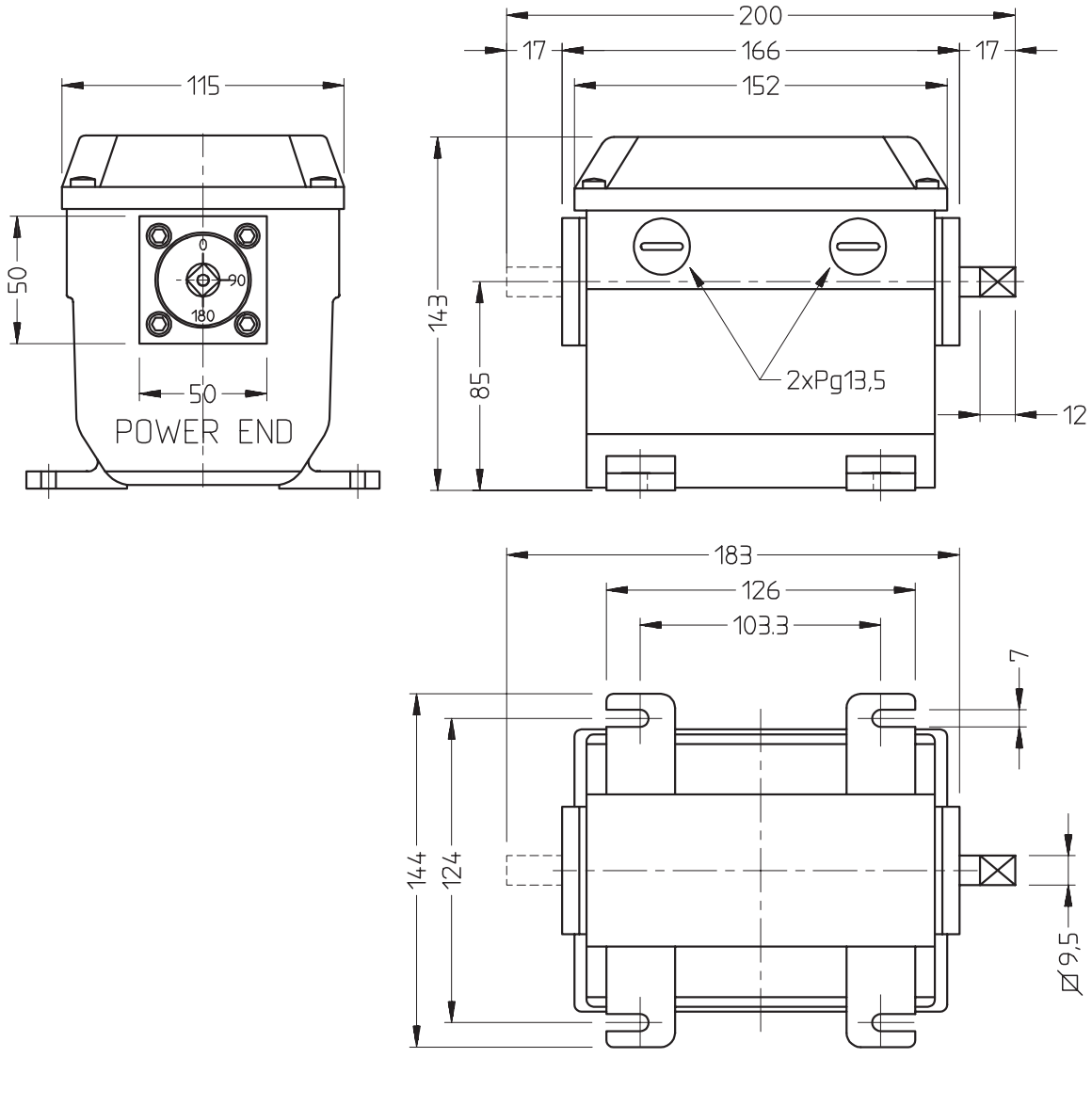
DIMENSIONS



Catalog no.	ø A	B mm	C* mm	D* mm	E* mm	F mm	G* mm	L mm	Mass kg
4 TBV-CMAP	G - 1/2″	68	125	40	55	112	60	150	1.80
6 TBV-CMAP	G - 3/4″	68	125	40	55	112	60	150	1.80
8 TBV-CMAP	G - 1″	68	125	40	55	112	60	150	1.80
10 TBV-CMAP	G - 1.1/4″	68	127.5	42.5	57.5	109.5	65	150	1.80
12 TBV-CMAP	G - 1.1/2″	68	127.5	42.5	57.5	109.5	65	150	2.30
16 TBV-CMAP	G - 2″	76	132.5	47.5	62.5	104.5	75	150	2.70

* Approximate dimensions.
M (***) = See dimensions electric control.
N (***) = See dimensions electric control.

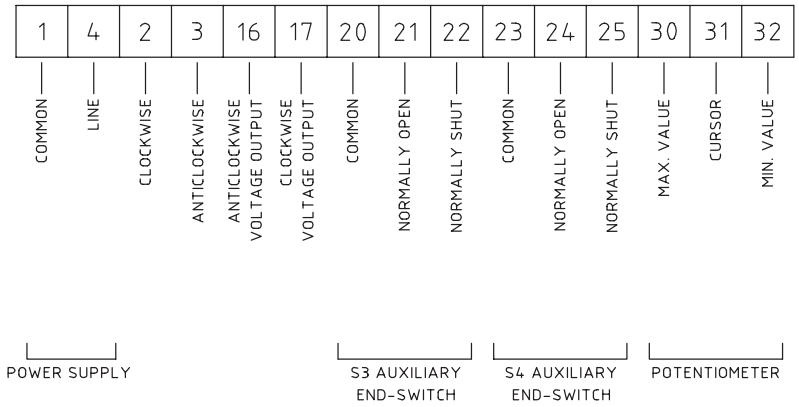
DIMENSIONS (ECON)



ELECTRICAL CONNECTIONS

ECON-O AR MODEL

TERMINAL BOARD



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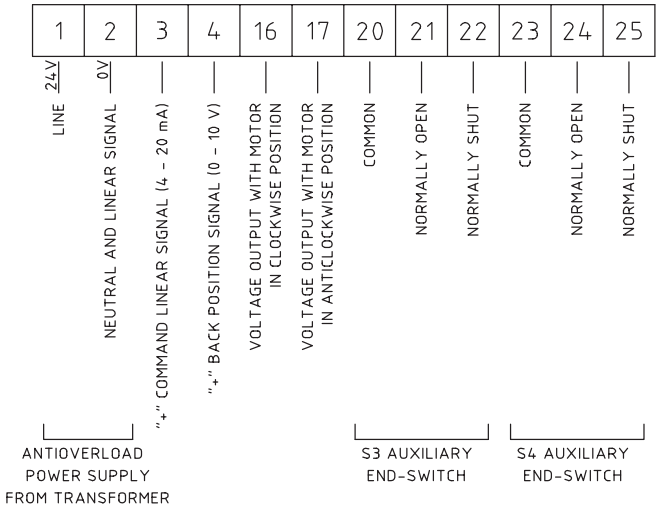
ECON-O AR MODEL

4:20 mA TERMINAL BOARD



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