

ALTAIR MCI V5 COMPOSITE

ROTARY PISTON METER

DIEHL
Metering



APPLICATION

Domestic rotary piston water meter (only complete meter)

FEATURES

- ▶ Low noise level
- ▶ System compatibility, with standard applicable pulse output 1 l/pulse. ALTAIR MCI V5 Composite can be extended - with IZAR RADIO (radio module) or IZAR PULSE (pulse transmitter)
- ▶ Any mounting position + no calming sections necessary
- ▶ Low starting flow approximately 0.6 l/h permits recording of very small amounts of water
- ▶ Self-cleaning mechanism of measuring chamber
- ▶ Encapsulated roller counter unit rotatable by 350°
- ▶ Nearly 50 % lighter than meter with brass body
- ▶ Suitable for fully demineralized water

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ROTARY PISTON METER

METROLOGICAL DATA

| Housing | | | Horizontal |
|-----------------------------|--------------------------------|-------------------|------------|
| Nominal diameter | DN | mm | 20 |
| Permanent flow rate | Q ₃ | m ³ /h | 4 |
| R standard* | Q ₃ /Q ₁ | | 160 |
| Starting flow rate | | l/h | 0.6 |
| Minimum flow rate* | Q ₁ | l/h | 25** |
| Transition flow rate* | Q ₂ | l/h | 40 |
| Maximum flow rate | Q ₄ | m ³ /h | 5 |
| Head loss at Q ₃ | | bar | 0.6 |

*Other values on request

**Based on R 160

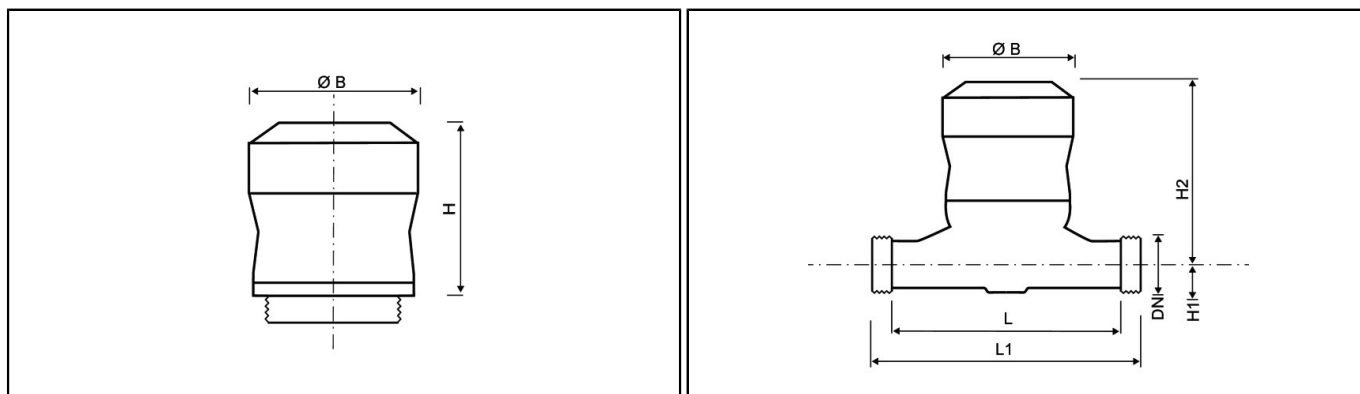
APPROVAL

| ALTAIR MCI V5 COMPOSITE | | |
|---|---|---------------------------------------|
| MID Approval | | LNE - 39018 Type A3 |
| Standards | | ISO 4064 EN 14154 OIML R49 UKCA |
| Dynamic range (Q ₃ /Q ₁) | R | 40 80 160 |
| Potable water | | ACS AoC DEU Belgaqua PZH WRAS |

TEMPERATURE AND PRESSURE

| ALTAIR MCI V5 COMPOSITE | | |
|-----------------------------|-----|-------------|
| Water temperature | °C | 0.1 ... +50 |
| Ambient temperature | °C | +1 ... +55 |
| Ambient storage temperature | °C | -10 ... +55 |
| Nominal pressure | bar | 16 |

DIMENSIONS

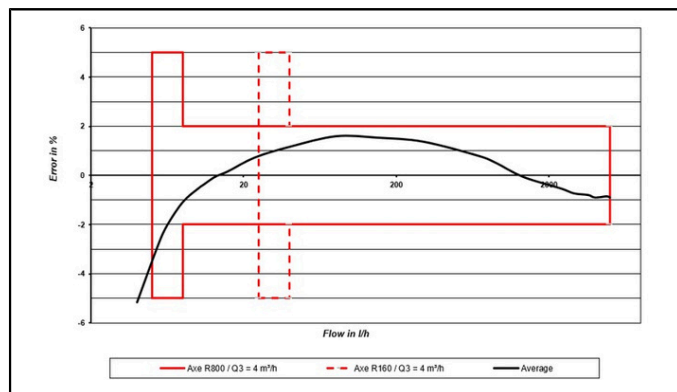


| Housing | | | Horizontal |
|-------------------------------|----------------|-------------------|------------|
| Nominal diameter | DN | mm | 20 |
| Permanent flow rate | Q ₃ | m ³ /h | 4 |
| Length | L | mm | 160 |
| Overall length (DIN ISO 4064) | L1 | mm | 190 |
| Connection thread on meter | | Inch | G1B |
| Height | H | mm | 94 |
| Height | H1 | mm | 27 |
| Height | H2 | mm | 141 |
| Diameter | Ø B | mm | 93 |
| Weight of capsule | | kg | 0.37 |
| Weight of complete meter | | kg | 0.62 |

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PRECISION CURVE



DN 20 MCI

OPTIONS

Glass/metal copper register