CYLINDERTEL

- Integrated pressure transducer
- Integrated residual pressure valve
- Compliant with any protection safety guards and caps
- Integrated IoT terminal unit for remote telemetry
- Data transmission technology: NB-IoT or SigFox
- Remote programming by CrioSystemSupervisor platform
- Low level alarm remote transmission and notification

Typical applications:

-Remote monitoring for compressed gas cylinders

Industrial valve for gas cylinders with
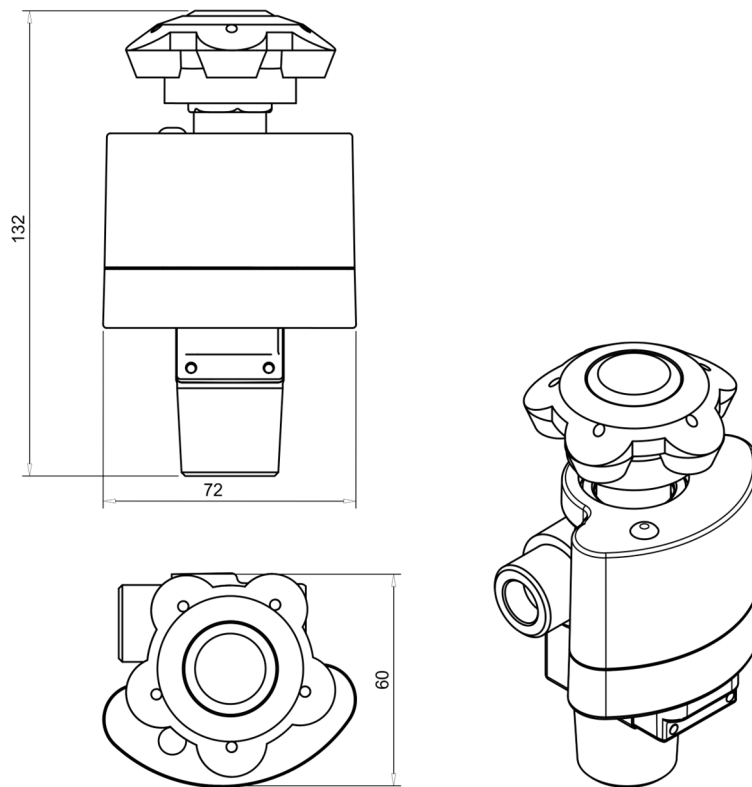
Remote Monitoring

REMOTE MONITORING

IoT Solution

TECHNICAL SPECIFICATIONS

Gas Type	O2, Ar, N2, He, CO2, Air with threaded connection 25E (EN 629-1)
Upper limit working pressure	230 bar
Inline residual pressure	3-4 bar
Materials	Valve body: Brass CW617N EN12165 (finish: chrome plating) Handwheel: Polished aluminum Seat: PA Zytel 101F O-ring: FKM Electronic housing: Resin high performance IP66
Visual indications	none
Cylinder connections	E25E
Outlet connection	Dependent on specific media
Data transmission	NB-IoT / SigFox
Transmission frequency of updates	Programmable 1-24/day
Information sent to remote	Cylinder pressure, ambient temperature, battery status, NB-IoT/ SifFox signal strength, geolocation by LTE E-CELLID (NB-IoT)
Battery	LTC
Battery autonomy	10 years with daily transmission @ temperature +15/+40 °C
Operating Temperature	-15…50 °C
Reference standards and directives	π according T-PED, 2010/35/UE, 2008/68/EC (ADR/RID 2019), R&TTE 2014/53/EU, EMC 2014/30/EU, RoHS 2011/65/EU

CE

Innovative ideas for gas control

DIMENSIONS

dimensions in mm

PRODUCT CODES

CODE	DESCRIPTION
0001-27-1XXX	**CylinderTEL NB-IoT:** Industrial valve with NB-IoT terminal unit
0001-27-2XXX	**CylinderTEL SigFox:** Industrial valve with SigFoxT terminal unit
0001-27-YXXX	Type of gas (eg: 0001-27-1CO2) version with NB-IoT for CO2 gas

Product designed and developed in partnership with: