

CUSTOS BVS

by ubitech

info@ubitech.hk

What makes CUSTOS BVS your must have?



Peace of mind from water leak damage



Hassle free
bare hand install in 10 seconds



Build-in leak detection probe
and freeze sensing



Smart torque control &
self calibration



Elbow proof

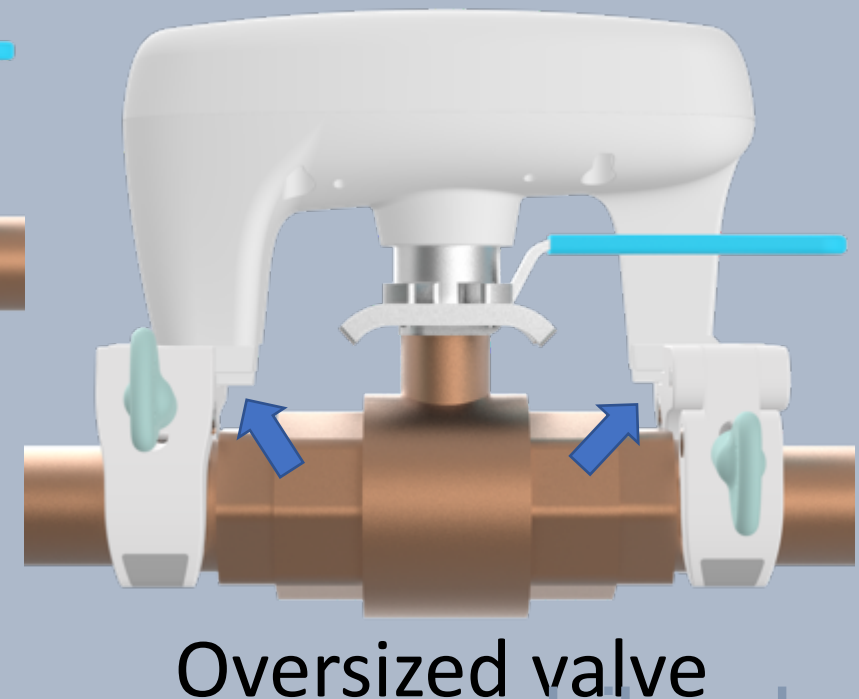
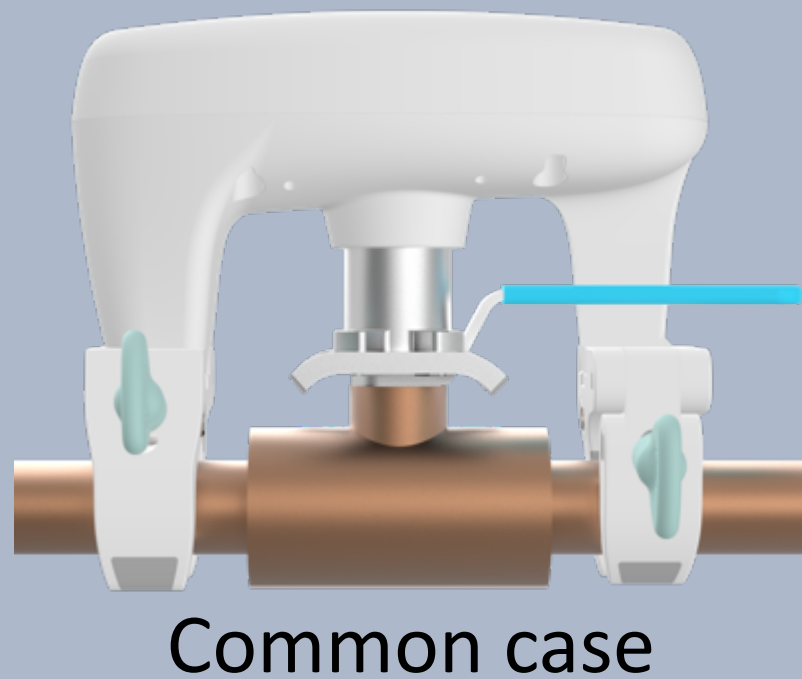
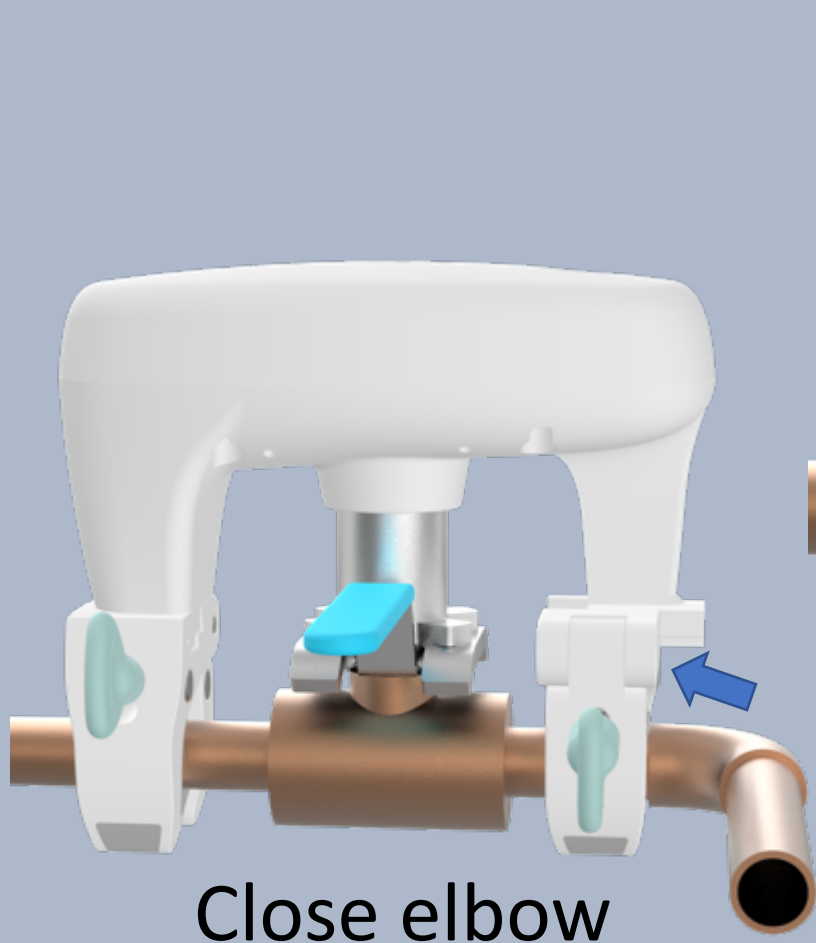


Outdoor proof
Can deploy anywhere needed

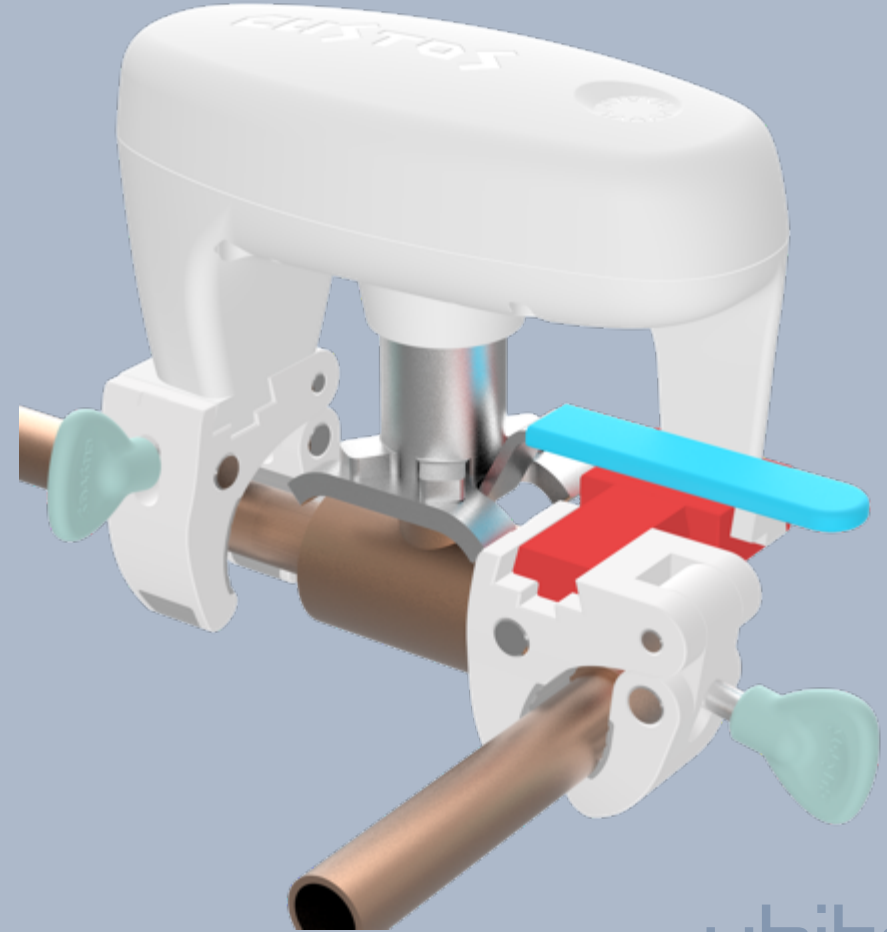
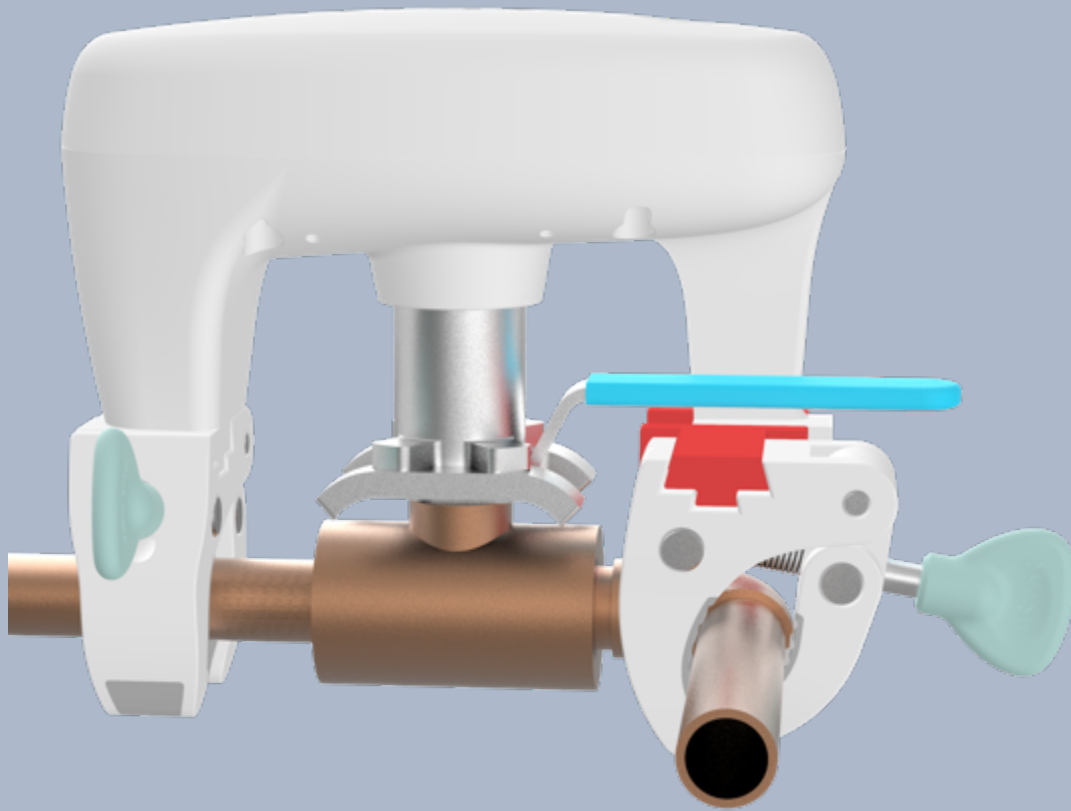


Optional Smart backup battery
with user scalable capacity

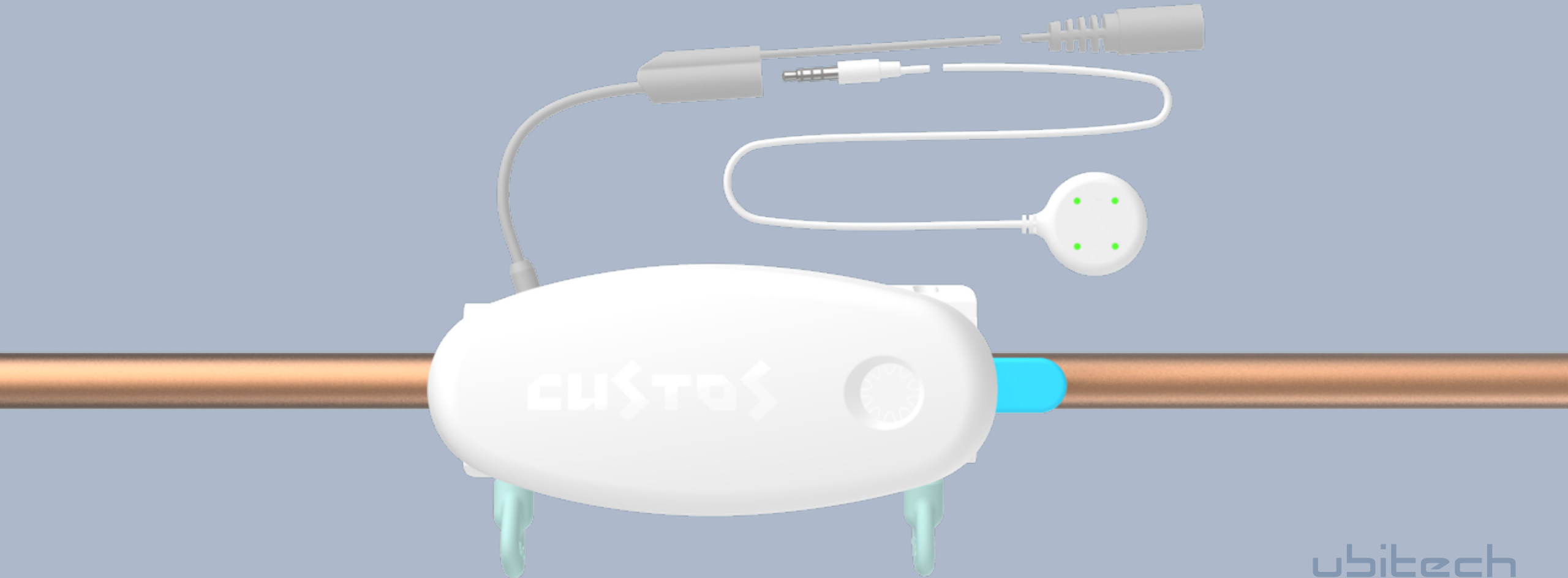
Adjustable clamp make sure can fit your valve



Edge case : Small valve with tight elbow



Power cord with PLC communication ability
plus wire probe connection



CUSTOS LoRaWAN

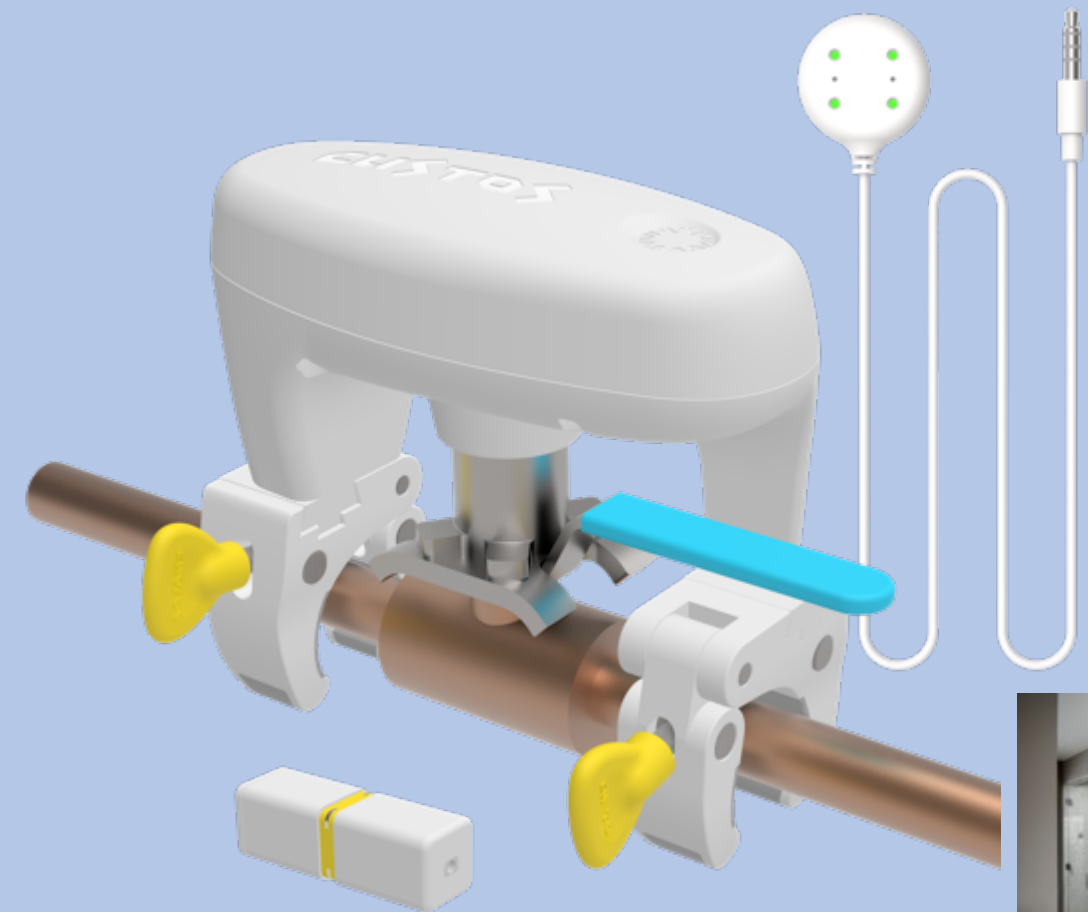
OEM customization welcome

For: utility/insurance driven vertical market

- LoRaWAN Class-C compliant
- Act as Actuator & sensor device
- Nationwide deployment capable

Upgrade options

- Smart battery box
- Outdoor power adapter
- PLC bridge for wired integration

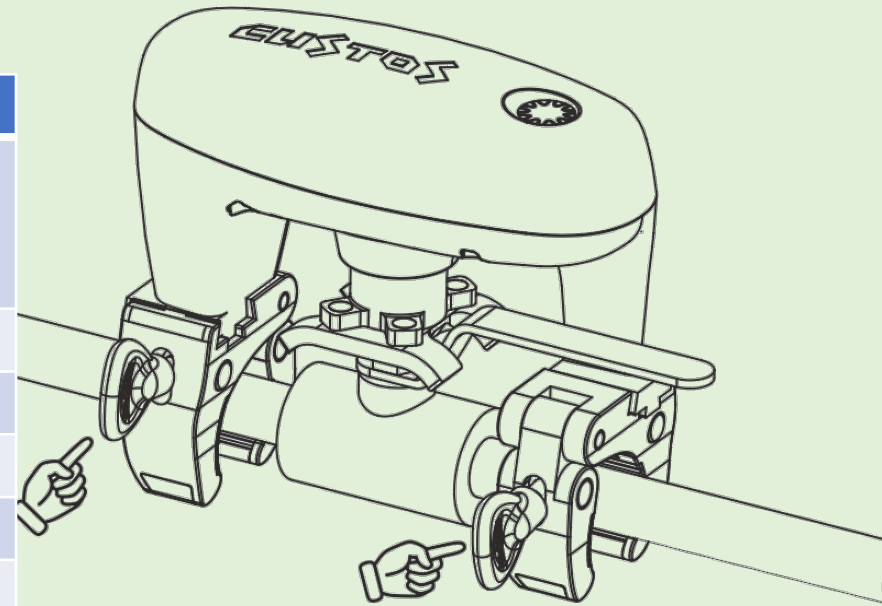


Visual Identifier: Knobs in yellow



Specification of BVS LoRaWAN

Feature/Function	Custos BVS
Max Drive force	Smart adaptive torque up to 6N.m, MCU will determine the minimal needed force by advance control feedback algorithm
Adjustable Opening	0-100% fine move, all open & close
Pipe/valve sizes to fit	From ½ inch to 1¼ inch
Outdoor use	Yes (housing made of automobile exterior material)
Water proof	IP67
UV proof	Yes
Integrated sensors	Water detection probe, temperature sensor
Pipe clearance needed	2.5 inch from pivot
Install for valve with elbow	Survive all cases (may need an adapter for extreme case)
Calibration for valve handle open/shut position	Intelligent Start/Stop check and self calibration on the fly.
Communication Security	LoRaWAN standard
Back up power (can take wide variety of power input sources)	External-Smart Power Station(SPS) User Scalable up to 4 pcs 21700 Lithium rechargeable battery, max 72W with communication with BVS MCU



How to install in 10 seconds

1. Shut off your valve
2. Keep 2 knobs and valve handle on the same side
3. Choose the opening of the coupler fit your valve handle size
4. Align the center hole of the coupler with the hex bolt on valve top
5. Push the BVS down, tighten 2 knobs

Dimensions

