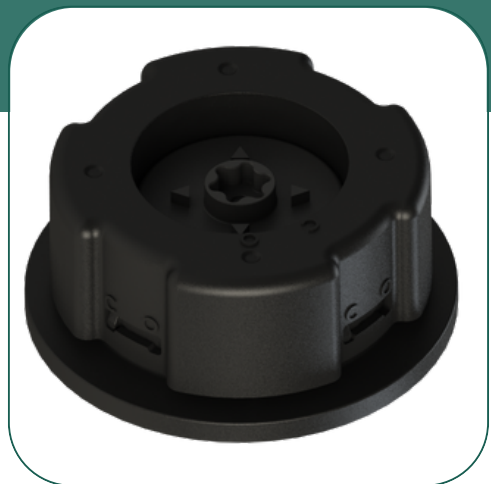
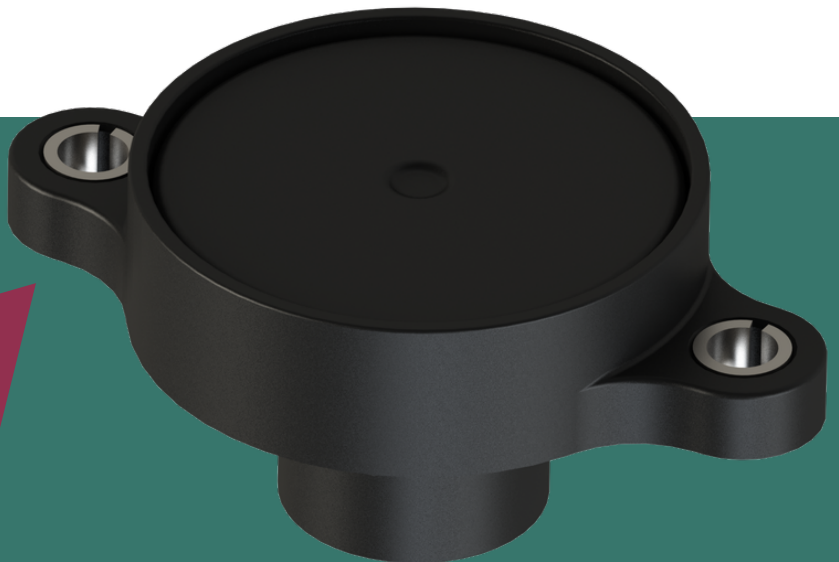


GEYSER™

EXPLOSION PROOF SMART VENTING SOLUTION FOR EARLY ALERT

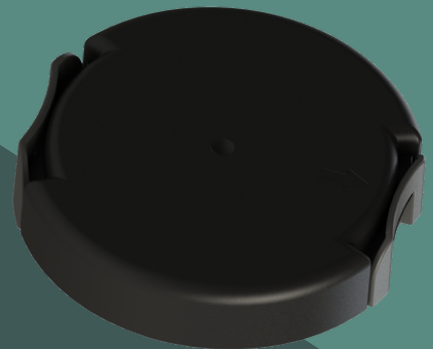
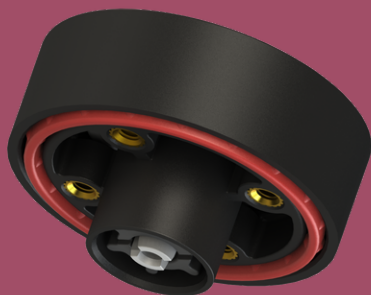
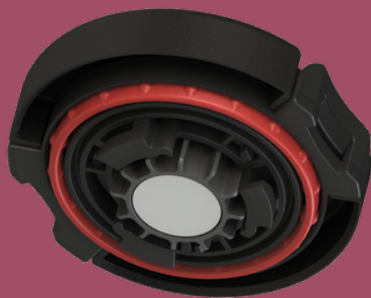
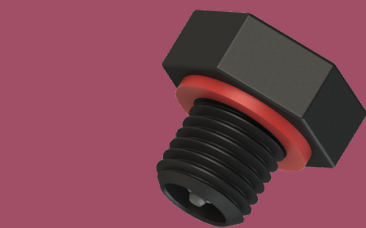
Developed to meet your needs



GEYSER™

Two stage valve

- With special Membrane for continuous breathing.
- Mechanical mechanism with adjustable spring force to ensure complete sealing.
- Allows fast opening at pre-determined* pressure.



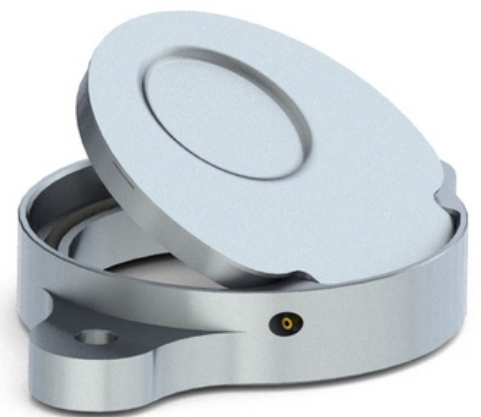
- Flow rate at range of 1400–2500 L/min] at 20 kPa.
- Easy mount using M32 x 1.5 thread, bayonet or flange with screws / nuts
- Sealed contact to fixing point
- Membrane flow rate up to 20 [L/min] @ 10 KPA

*Raval produces its own springs and has the advantage of determining the spring strength in house.

GEYSER™

Two stage Aluminum valve

- With special Membrane for continuous breathing.
- Mechanical mechanism with adjustable spring force to ensure complete sealing.
- Allows fast opening at pre-determined* pressure.
- operating at higher temperatures

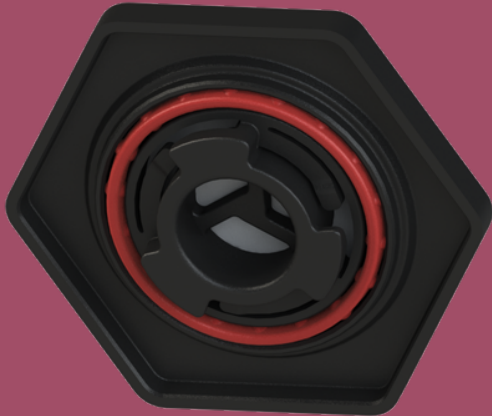
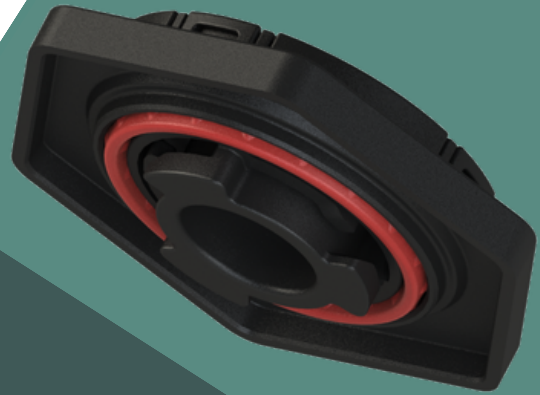
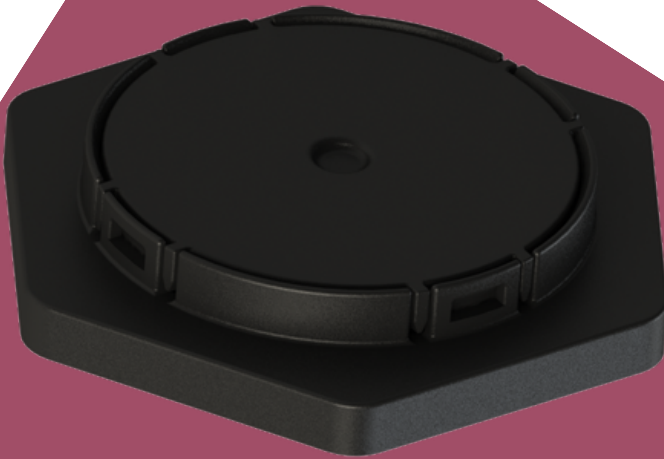


- Flow rate at range of 1400–2500 L/min] at 20 kPa.
- Easy mount using M32 x 1.5 thread, bayonet or flange with screws / nuts
- Sealed contact to fixing point
- Membrane flow rate up to 20 [L/min] @ 10 KPA

GEYSER™

Beathing Only valve

- With special Membrane for continuous breathing.



- Easy mount using M32 x 1.5 thread, bayonet or flange with screws / nuts
- Sealed contact to fixing point
- Membrane flow rate up to 20 [L/min] @ 10 KPA

GEYSER™

Locking mechanism

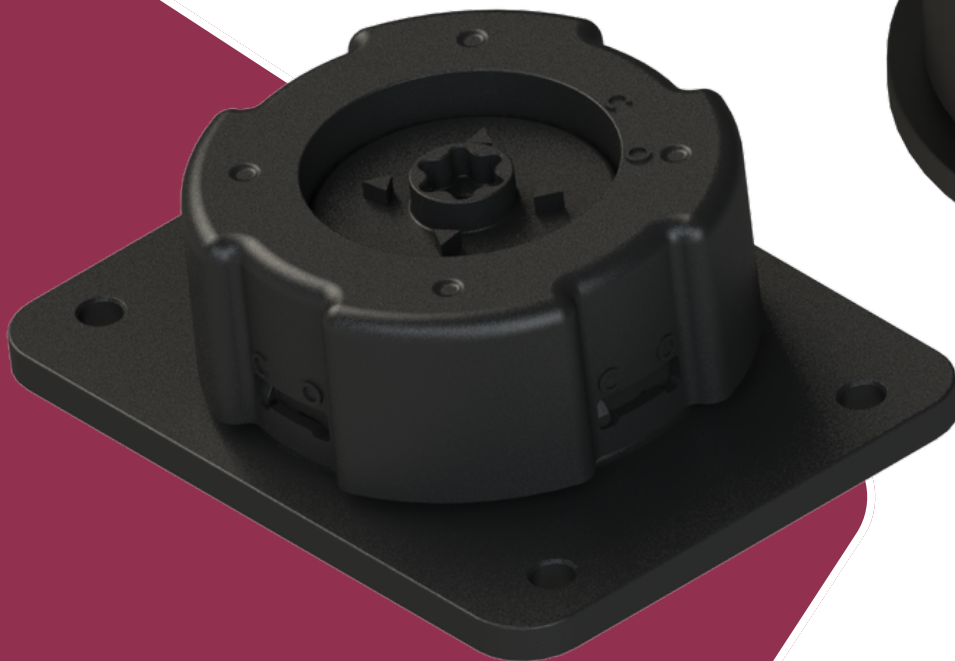
Valve with Unique features

The Geyser 3500 family

The largest type of Valves.

Designed with unique features:

- Active membrane sealing by TORX T60 (for customer EOL testing).
- Active piston opening by rotating the cap (for leak test of the pack).



- Second stage Flow rate at range of 3100–3500 L/min at 20 kPa.

GEYSER™

Flame Arrestor

Stainless steel arrestor to prevent flames
and debris from escaping the pack



GEYSER™

Material performance



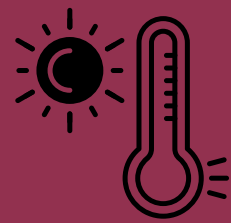
Fire
retardent
UL90-V0



Chemical
resistance



Hydrophobic /
Oleophobic



Temperature
resistance

GEYSER™

Automotive applications

Battery Pack
protection

Smart pack
monitoring

Control system
protection

Drive system
protection

GEYSER™

Security Function

**Pressure Balance in
Pack**

Dust Proof

WaterProof

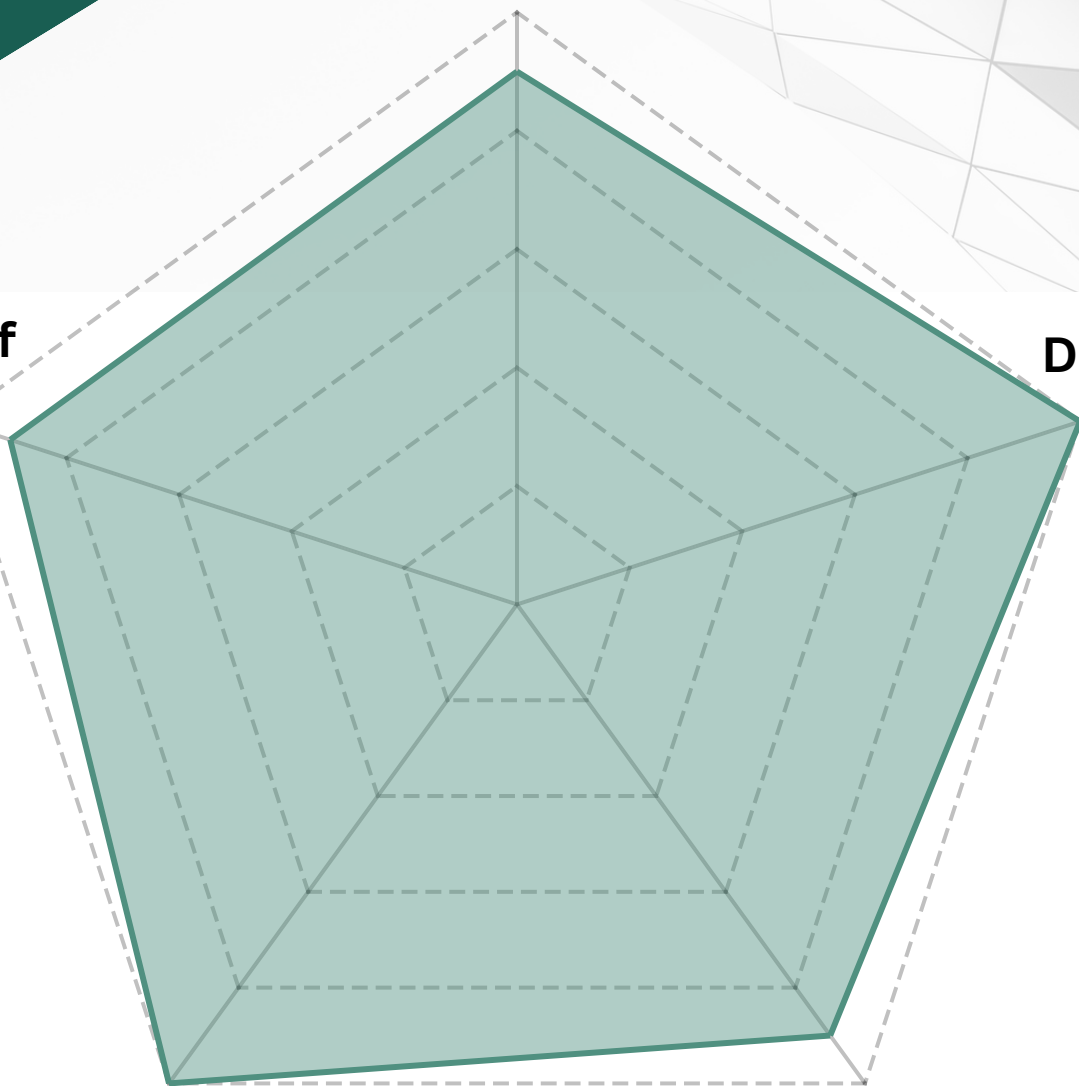
IPx6K

IPx7

IPx9K

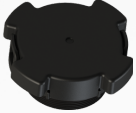
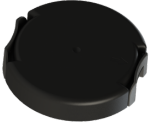
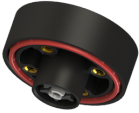
Flame Arresstor

**Quick high Pressure
relief**



GEYSER™

product list

	Name	Size mm	Mounting interface	Performance
	Geyser 3500-20-PO- ML-FA-4sc	120x90x40	4 screws M6	Breathing flow 20 l/min @ 10kPA Release flow >3500 @ 20 kPA
	Geyser 3500-20-PO- ML-FA-TH55	Ø93.5x40	Thread M55x1.5	Breathing flow 20 l/min @ 10kPA Release flow >3500 @ 20 kPA
	Geyser 3100-5-TH32	Ø88x22	Thread M55x1.5	Breathing flow 5 l/min @ 10kPA Release flow >3100 @ 20 kPA
	Geyser 2500-20-TH32	Ø55x14	Thread M32x1.5	Breathing flow 20 l/min @ 10kPA Release flow >2500 @ 20kPA
	Geyser 1400-10-BY	Ø64x14	Bayonet lock	Breathing flow 10 l/min @ 10kPA Release flow >1400 @ 20kPA
	Geyser 1500-20-4inSC	Ø53x18	4 internal screws M5	Breathing flow 20l/min @ 10kPA Release flow >1500 @ 20kPA
	Geyser 1500-20-2sc	Ø68x14	2 screws M5	Breathing flow 20l/min @ 10kPA Release flow >1500 @ 20kPA
	Geyser 0100-0.75-TH12	Ø20x8	Thread M12x1.25	Breathing flow 0.75 l/min @ 10kPA Release flow >100 l/min @ 20kPA
	Geyser 0000-20-BY	Ø55x10	Bayonet lock	Breathing flow 20 l/min @ 10kPA

Valve Name Coding: AAAA - BB - CC - DD - EE - XXXX

AAAA - Max Flow at second stage (l/min)

BB - Breathing Flow at First Stage (L/min)

CC - Addition function 1

DD - Addition function 2

EE - Addition function 3

XXXX - Mounting type

PO - Piston Open

ML - Membrane Lock

FA - Flame Arrestor

Smart venting

Ultimate solution for Pack safety & Thermal run away



Controlled PRBV is a unique product that allows controlled pressure release.

electrical activated
build in multi-sensor
wide range of monitoring data :

- pressure
- Temperature
- Humidity
- gas detection
- Electrical conductivity. (sensing coolant leakage)
- electrical activation on demand

*can be designed for customer request and application specification.



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