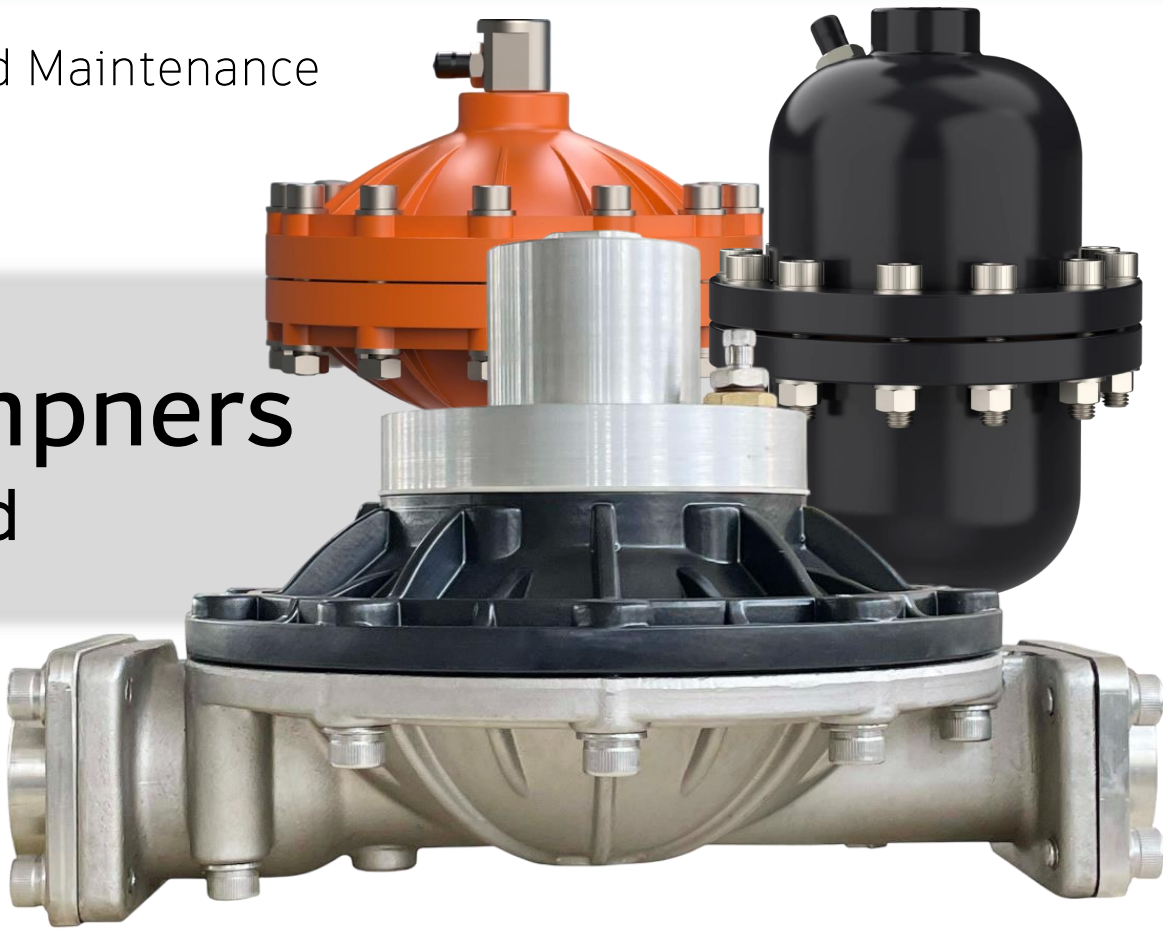
SHiFT®

MODULUS

Care and Maintenance Manual

Dampners

Bolted



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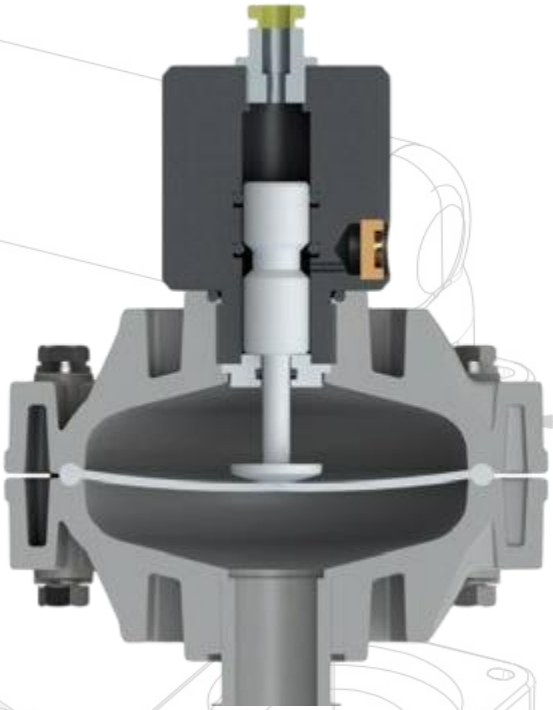
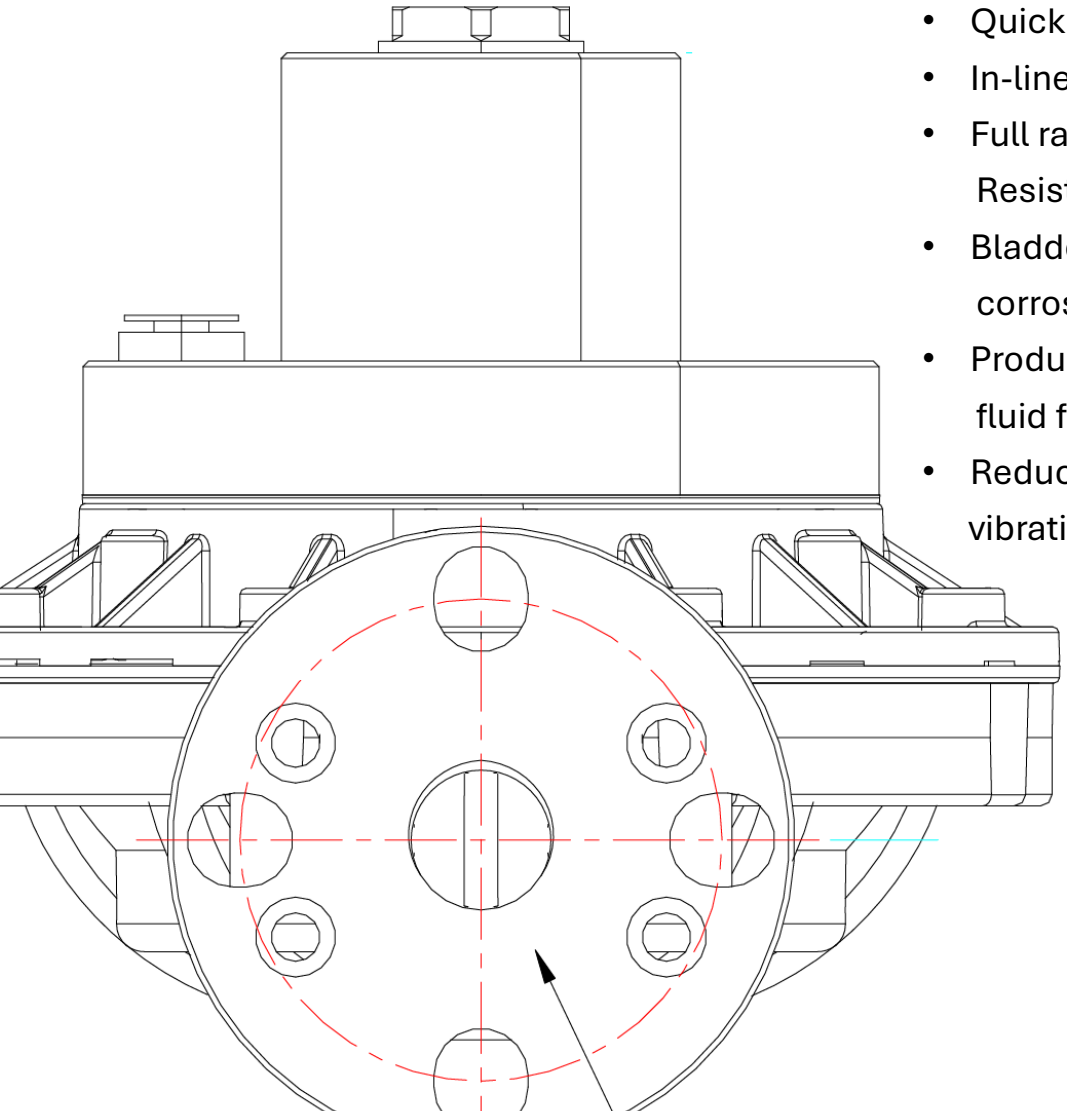
Performance Information

The pulsation dampener is used for eliminating pipe pulsation. They are designed to reduce pulsation and vibration in the pipe system. It ensures a smooth and continuous flow of the system. The protection of the pump, seals, gaskets of the entire systems from vibration results in a longer lasting safer system. Compressed air or gas is introduced into the air chamber of the Pulsation Dampener to a specified pressure.

During pump discharge, fluid enters the wetted chamber of the Pulsation Dampener, displacing the bladder, compressing the gas and absorbing the shock. During pump shift, liquid pressure decreases, the dampener gas expands, pushing fluid back into the process line.



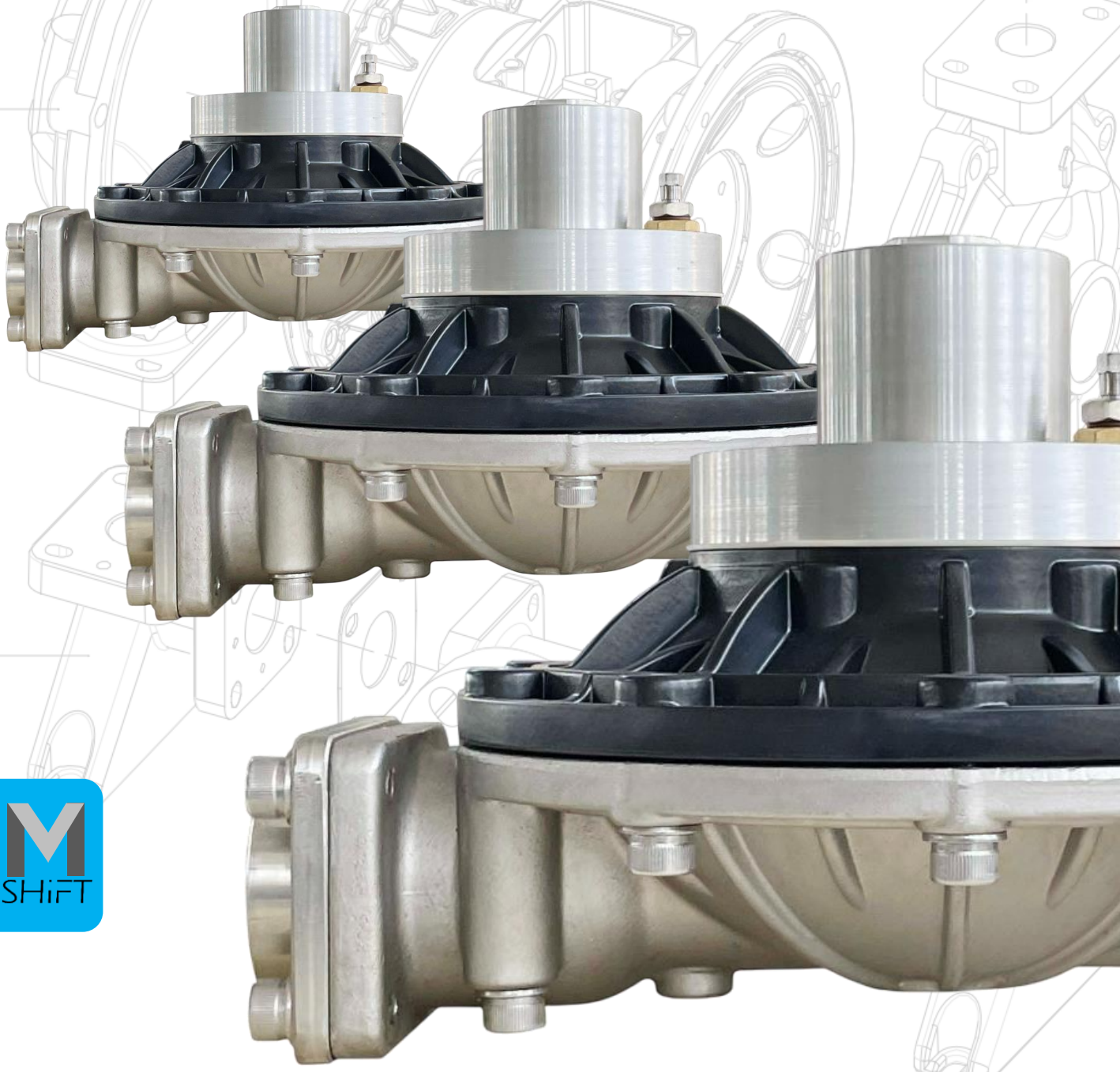


Why use them:

- Quick Installation
- In-line Maintenance
- Full range of Chemical Resistant materials
- Bladders for all corrosive applications
- Produces near steady fluid flow
- Reduce pulsation and vibration

Flow through Design –CIP ready

Type M25 – M80



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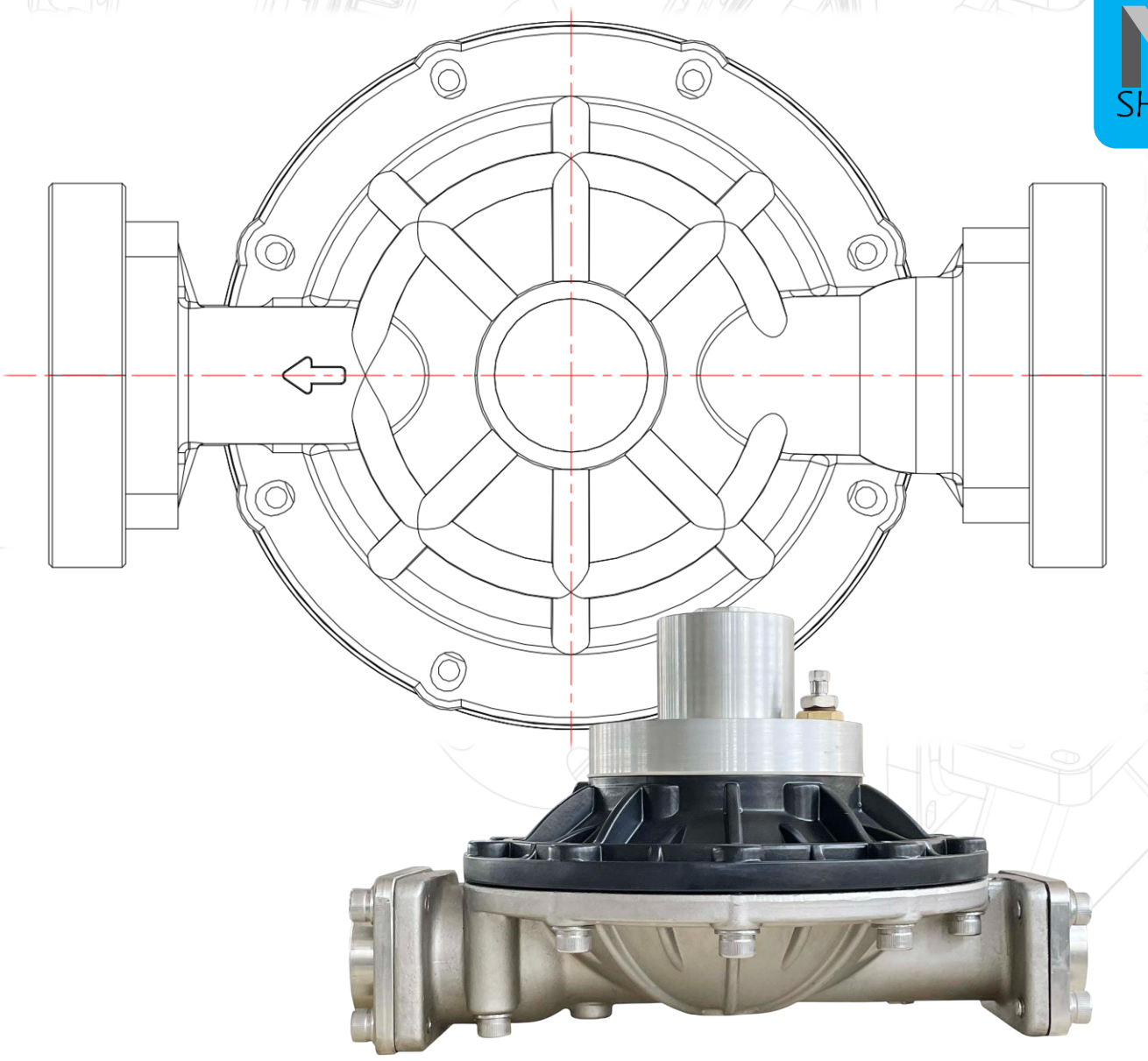
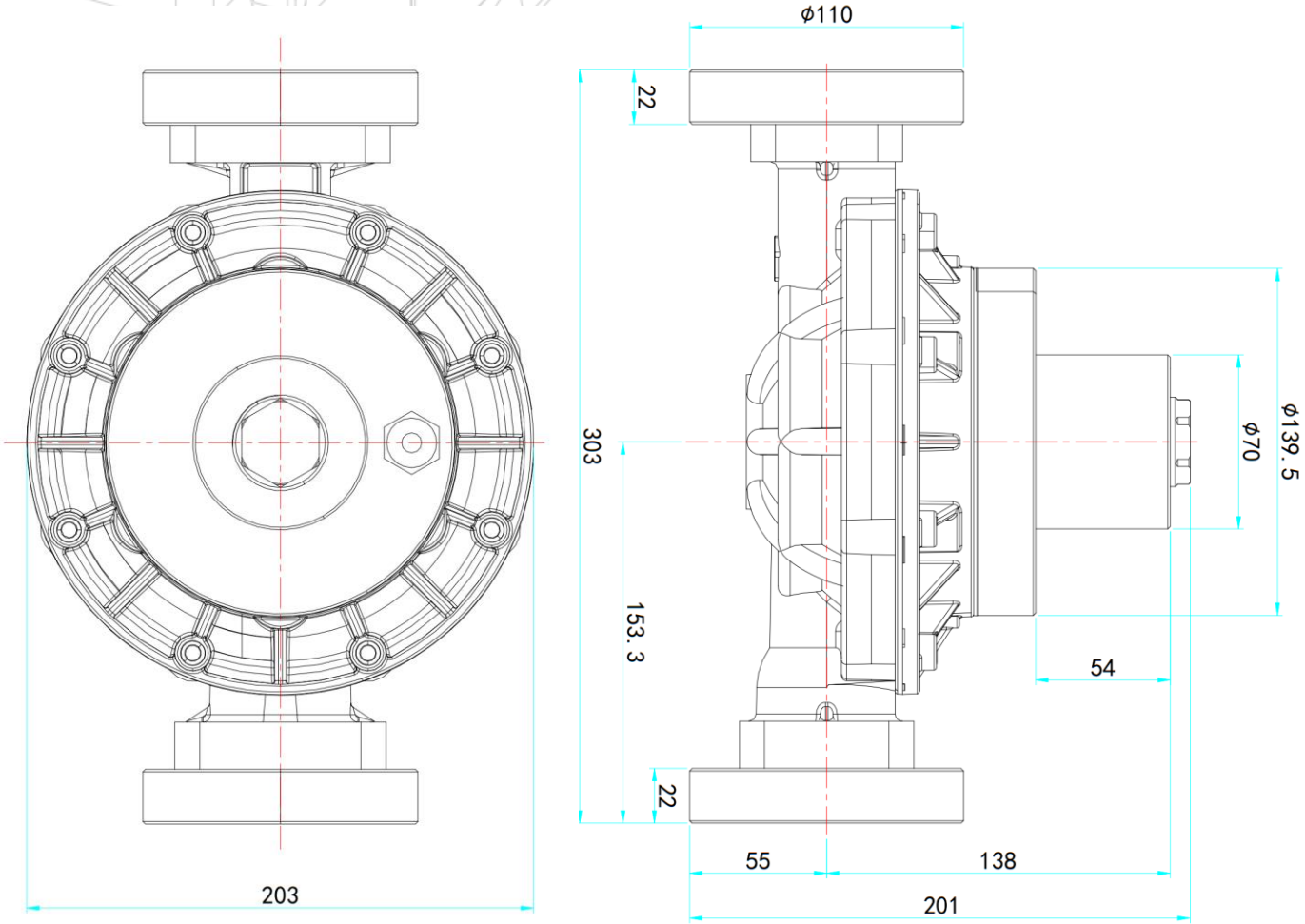
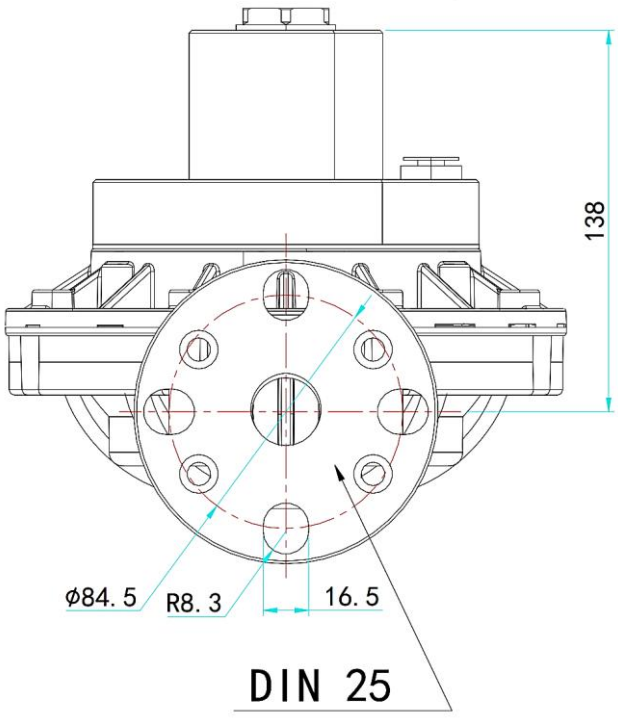
Product Descriptions

Model	Max.operating pressure(bar)	Volume(L)	Material	
			Body	Diaphragm
MK25	10	0.36L	PP/KV/AL/SS/LL	HY/ST/TF/VT
MK40	10	1.10L	PP/KV/AL/SS/LL	HY/ST/TF/VT
MK50	10	1.56L	PP/KV/AL/SS/LL	HY/ST/TF/VT
MK80	10	4.02L	PP/KV/AL/SS/LL	HY/ST/TF/VT

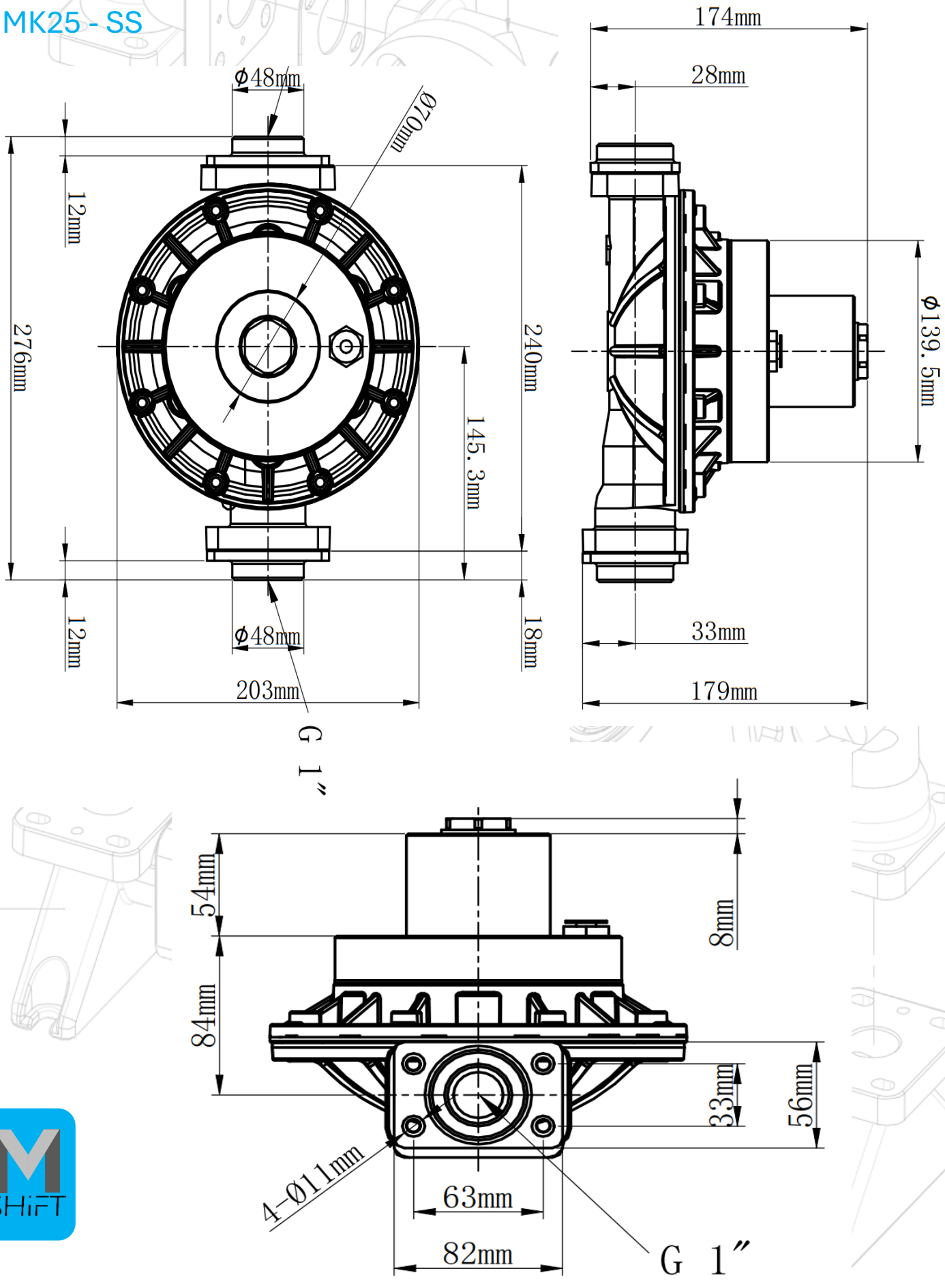


Dimensional Drawings:
MK25 - PP



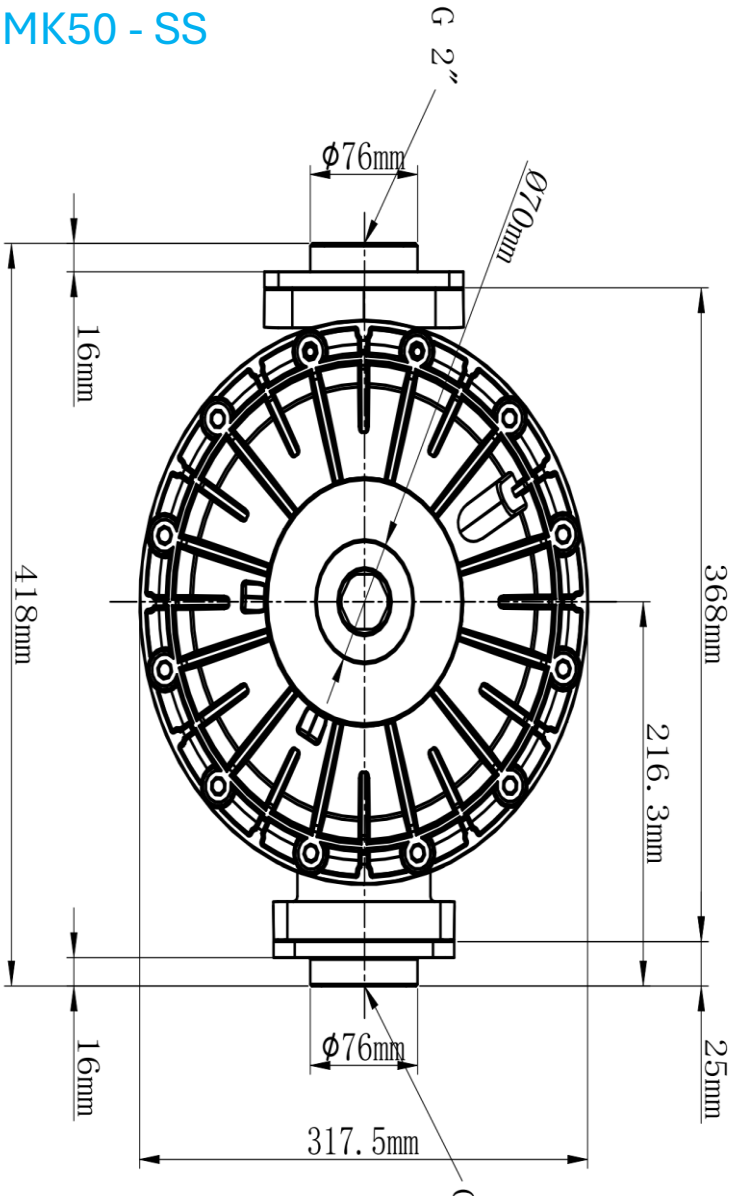


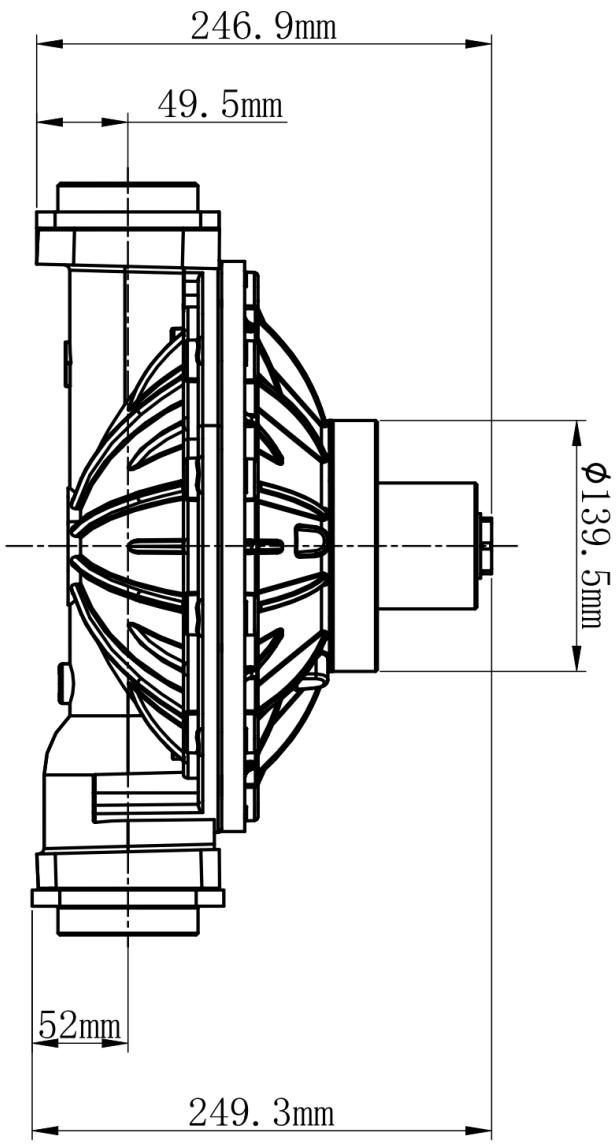
Dimensional Drawings:
MK25 - SS

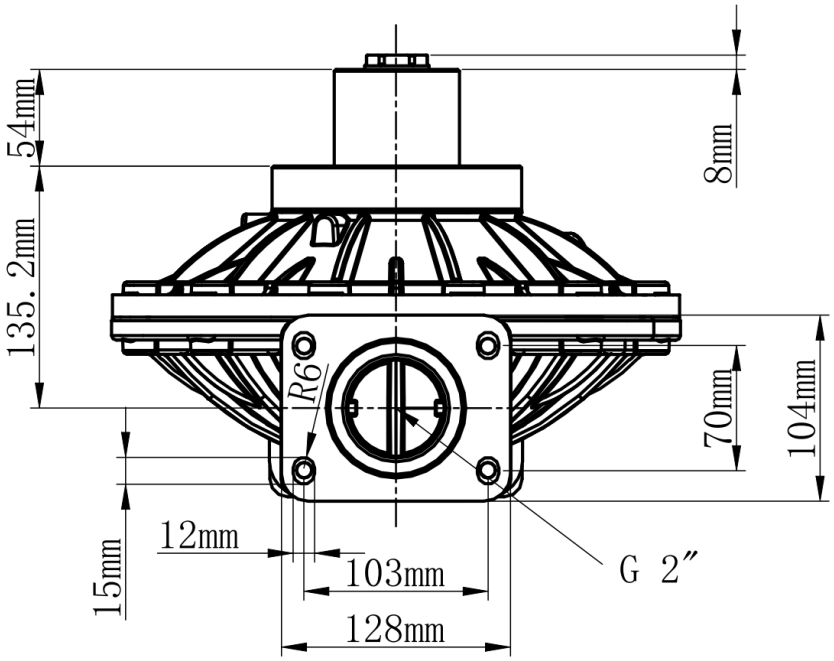


Dimensional Drawings:

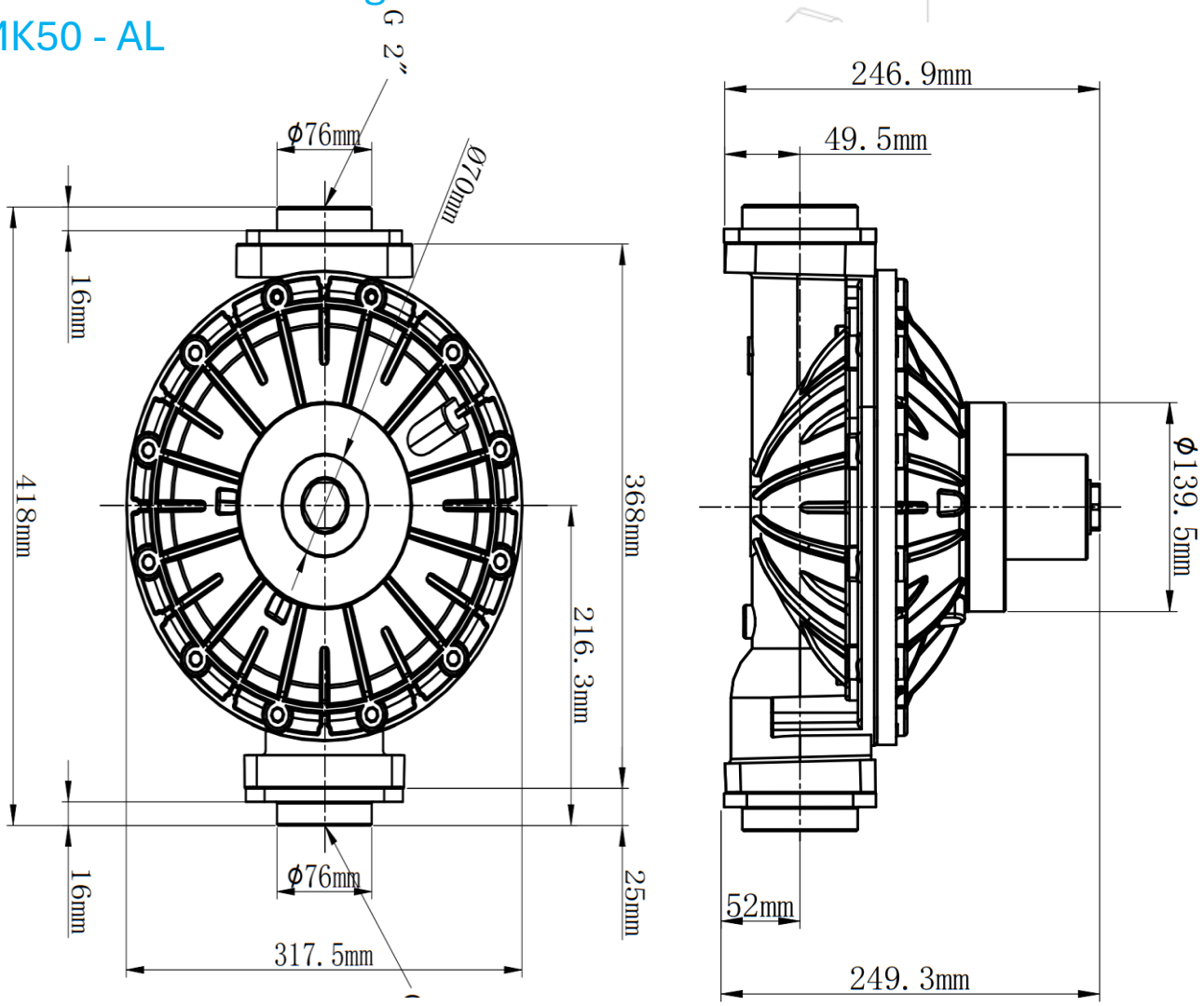
MK50 - SS

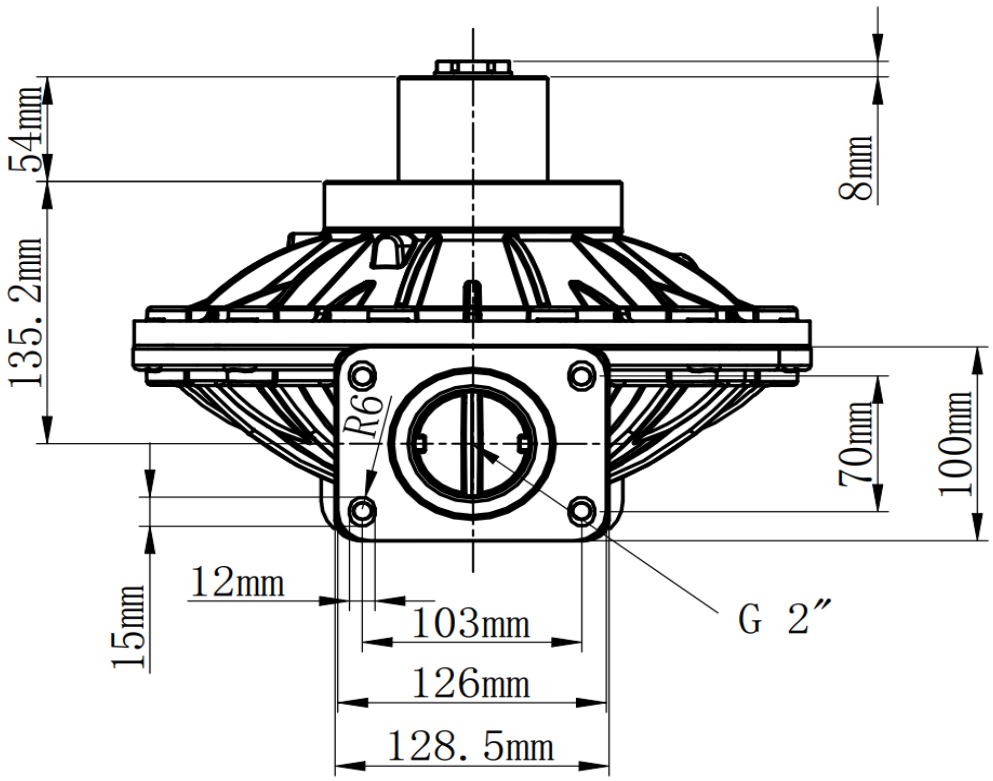




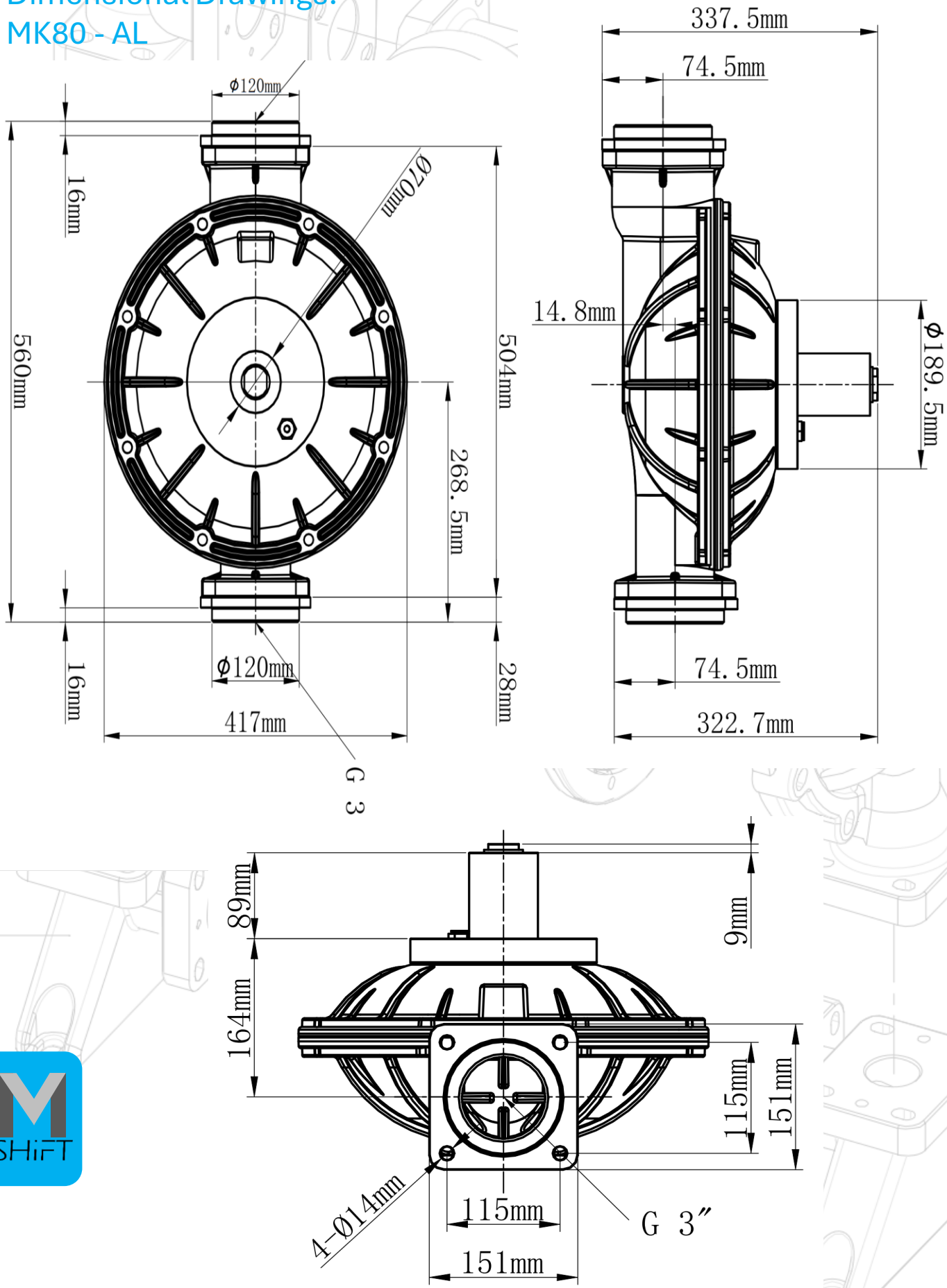


Dimensional Drawings:
MK50 - AL

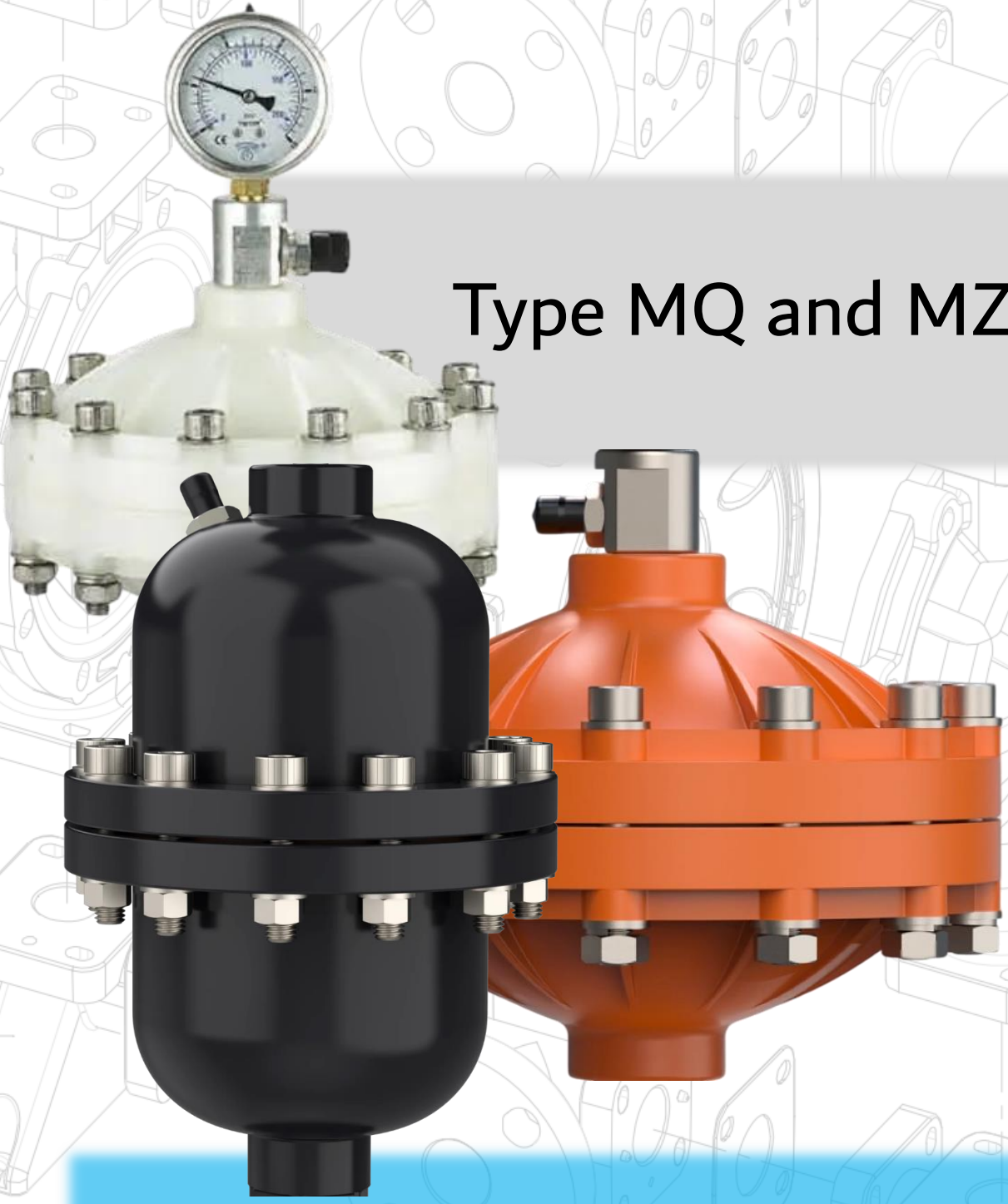




Dimensional Drawings:
MK80 - AL



Type MQ and MZ



Pre-charge for Constant Pressure Systems

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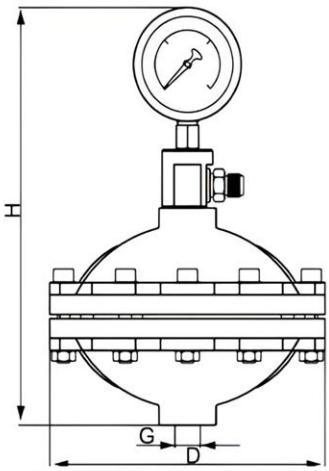
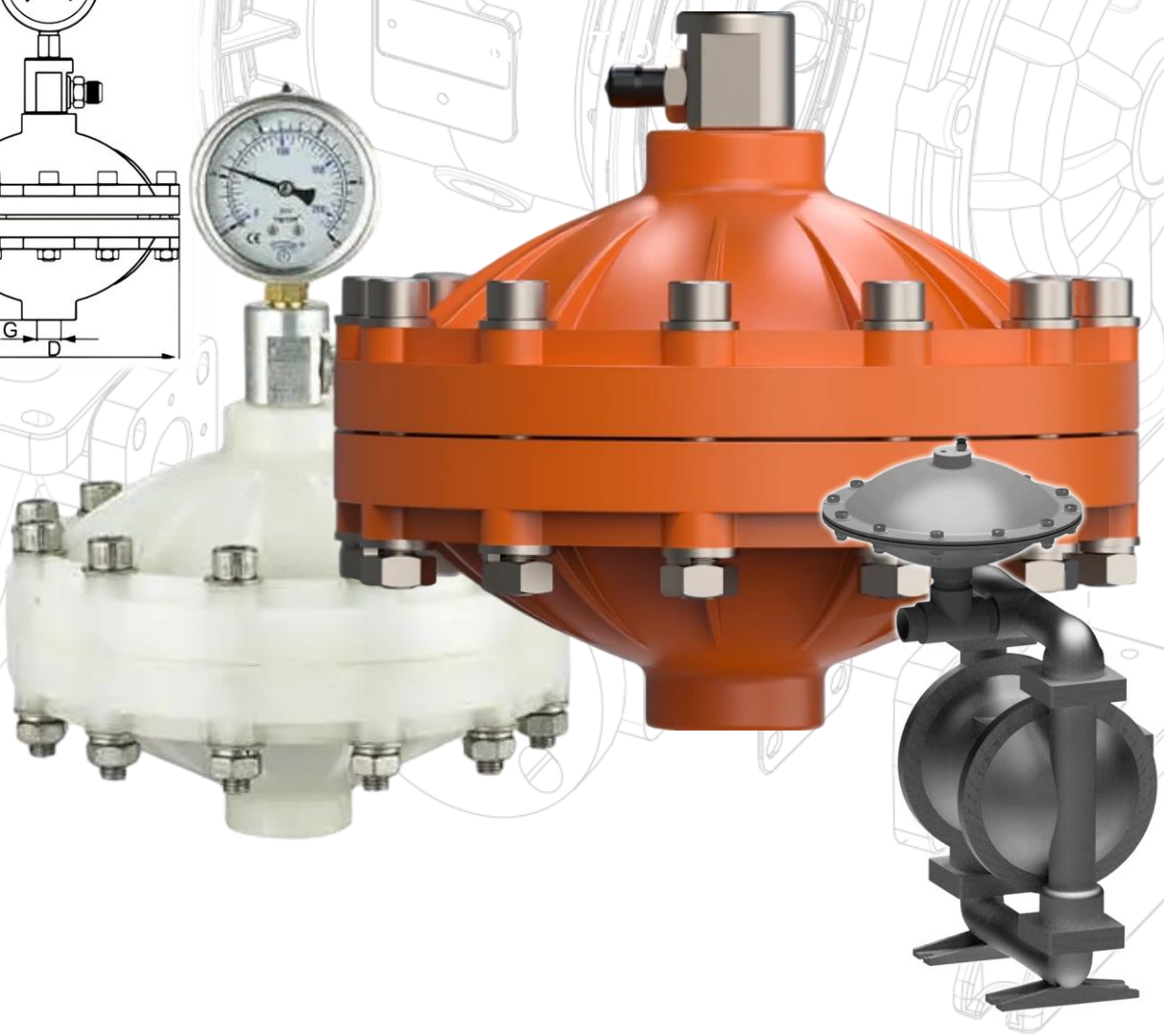
Dimensional Information and Volume: MZ

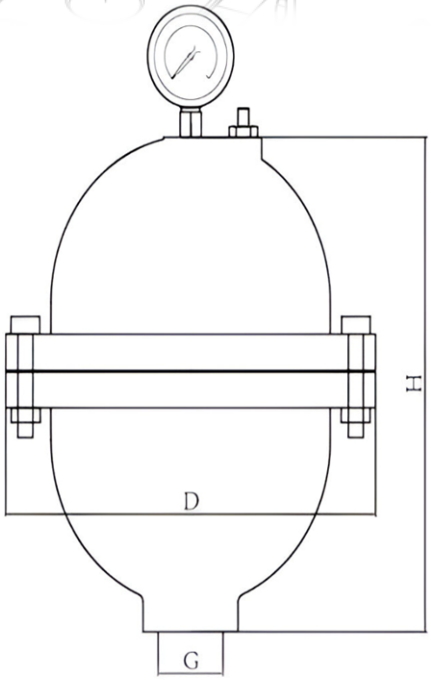
Model	Volume (L)	Height (mm) H	Diameter (mm) D	Inlet Size	Pressure (Mpa)	Joint(Thread) G
LGMZ-0.35	0.35	235	Φ142	DN15	1.6	1/2”
LGMZ-0.6	0.6	250	Φ174	DN20	1.6	3/4”
LGMZ-1.0	1.0	310	Φ210	DN25	1.6	1”
LGMZ-2.0	2.0	330	Φ280	DN32	1.6	1-1/4”
LGMZ-4.0	4.0	370	Φ306	DN40/DN50	1.6	1-1/2” or 2”

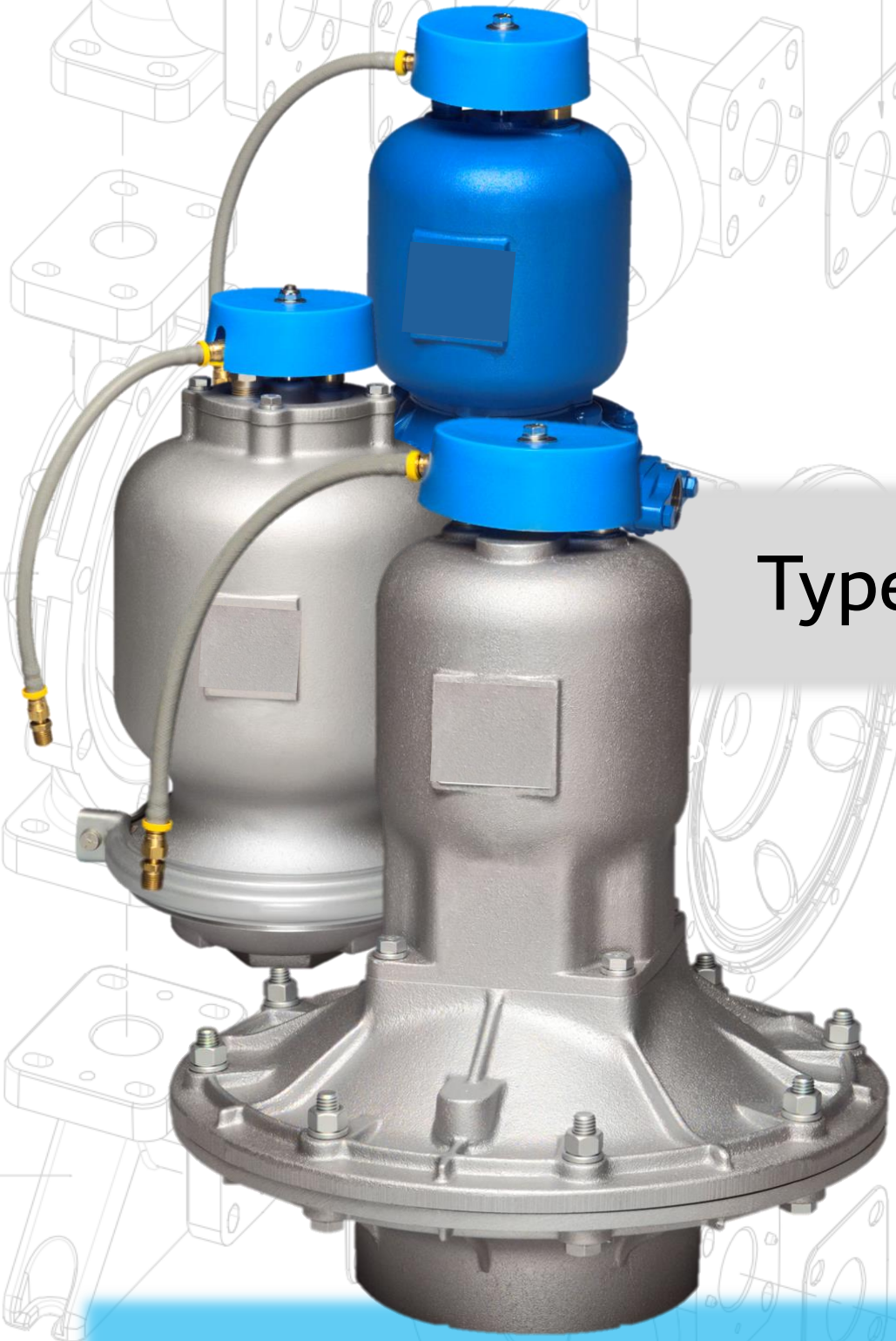




Dimensional Information and Volume: MQ

Model	Volume(L)	Height(mm) H	Diameter(mm) D	Inlet Size G	Pressure(Mpa)
LGMQ-0.35	0.35	192	134	DN15	1.0 Mpa
LGMQ-0.6	0.6	202	135	DN20	1.0 Mpa
LGMQ-1.0	1.0	235	158	DN25	1.0 Mpa
LGMQ-1.5	1.5	288	158	DN25	1.0 Mpa
LGMQ-2.0	2.0	338	158	DN32	1.0 Mpa
LGMQ-3.0	3.0	280	230	DN32	1.0 Mpa
LGMQ-4.0	4.0	285	250	DN40	1.0 Mpa
LGMQ-5.0	5.0	385	250	DN40/50	1.0 Mpa
LGMQ-6.0	6.0	485	250	DN40/50	1.0 Mpa





Type SD

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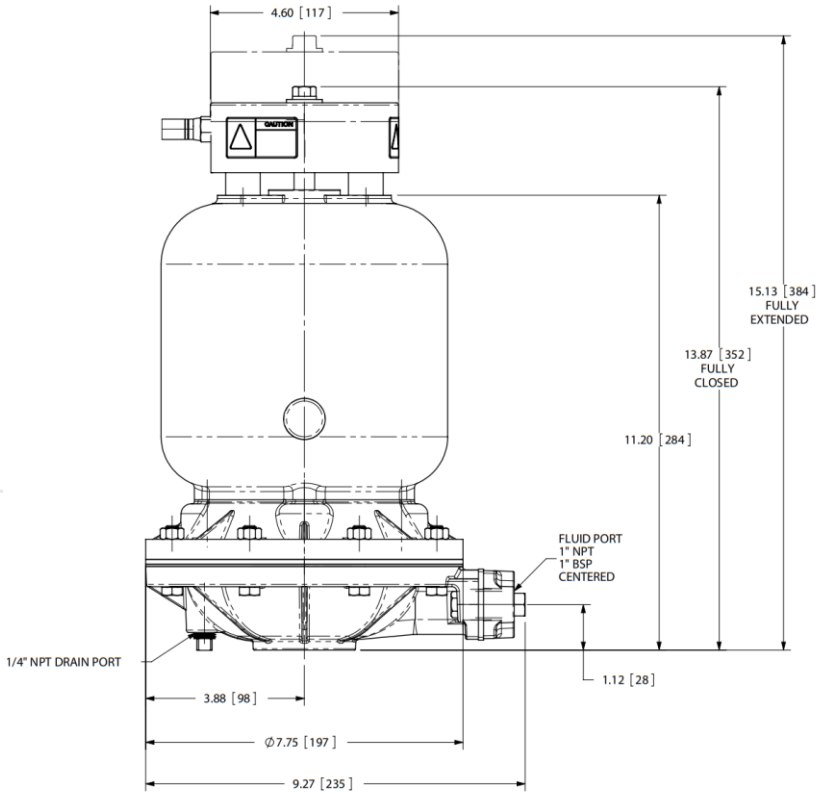
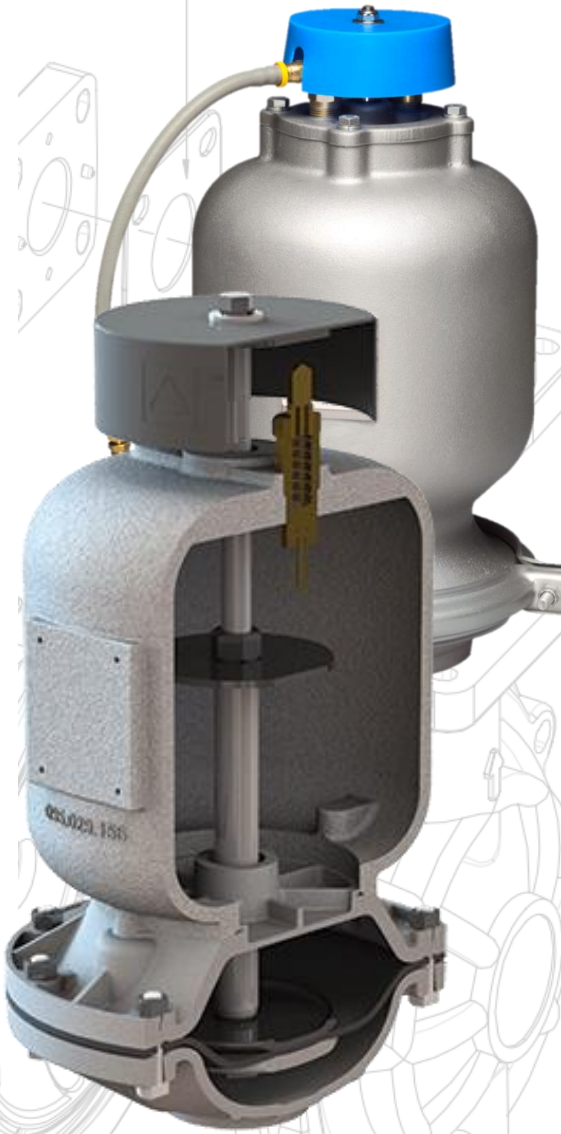
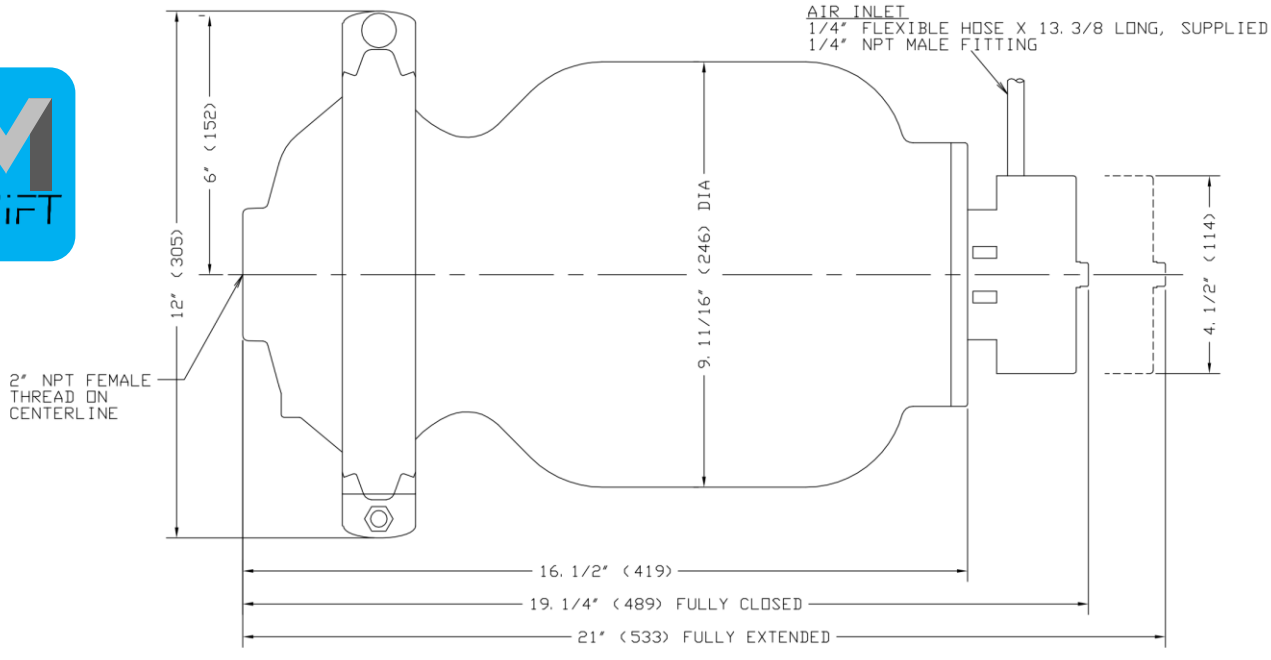
Auto Adjustment to Changing System Pressure

Dimensional Drawings: TA1 - SS

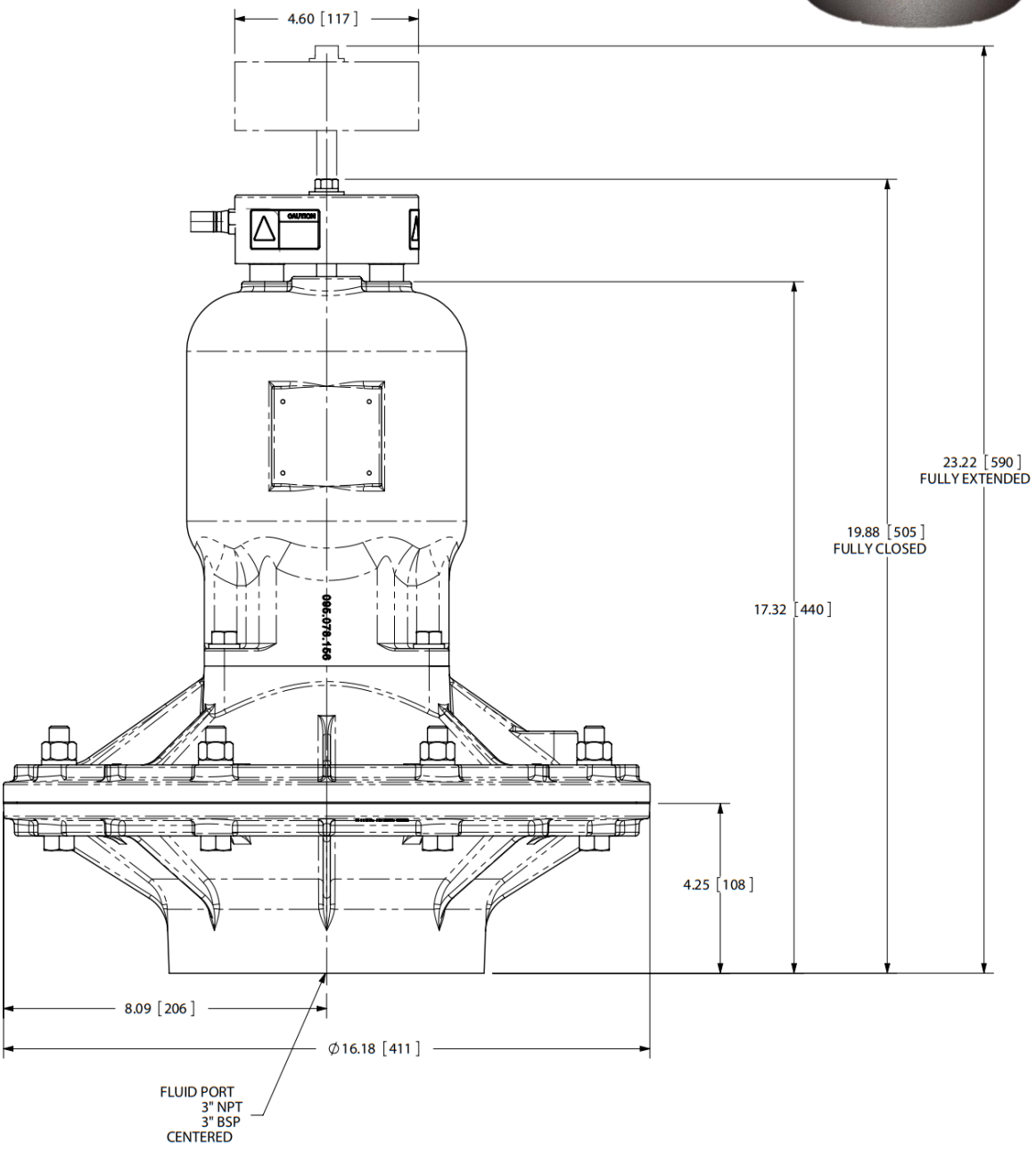




Dimensional Drawings: TA2 - SS



Dimensional Drawings:
TA3 - SS



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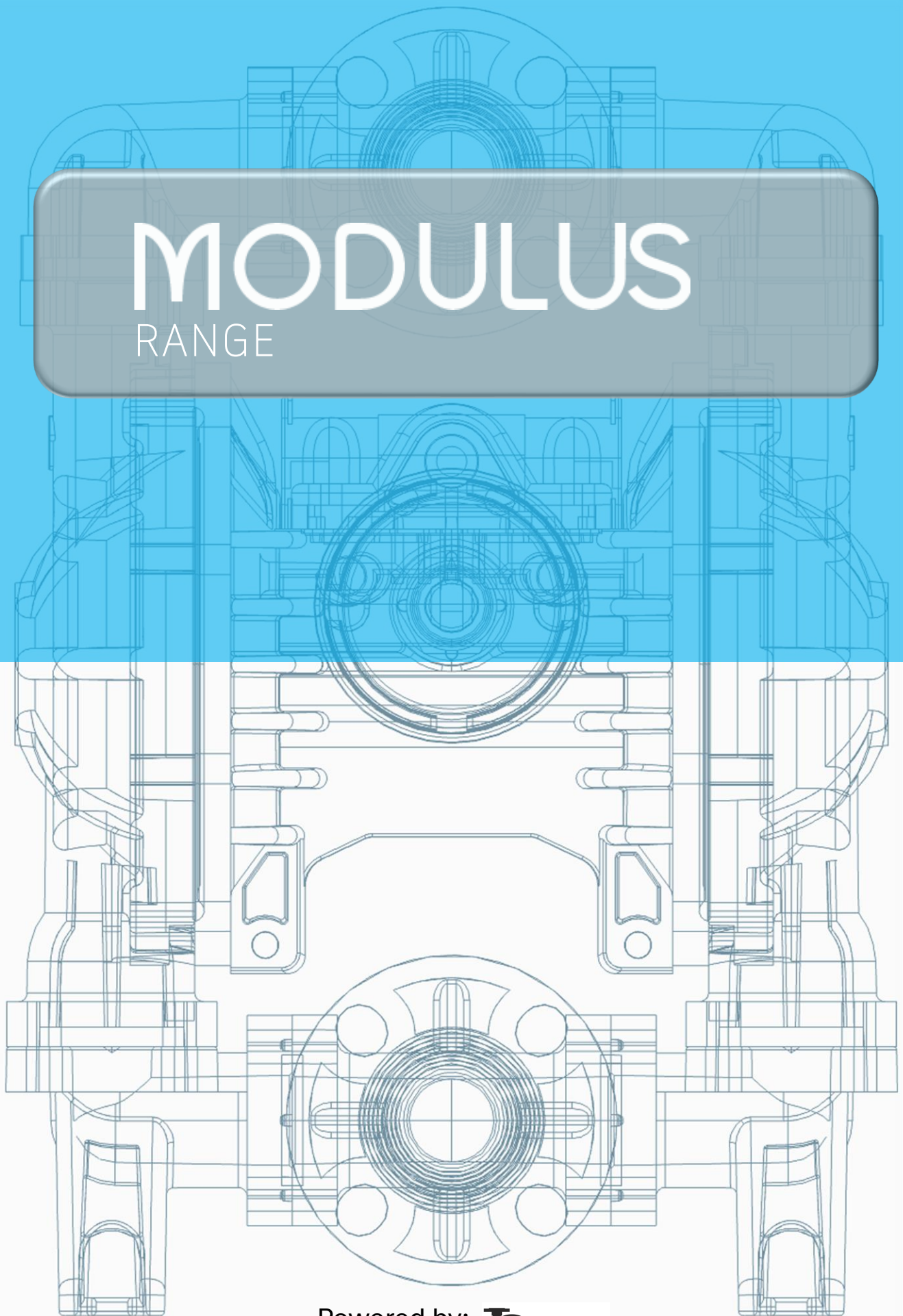
RANGE



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