

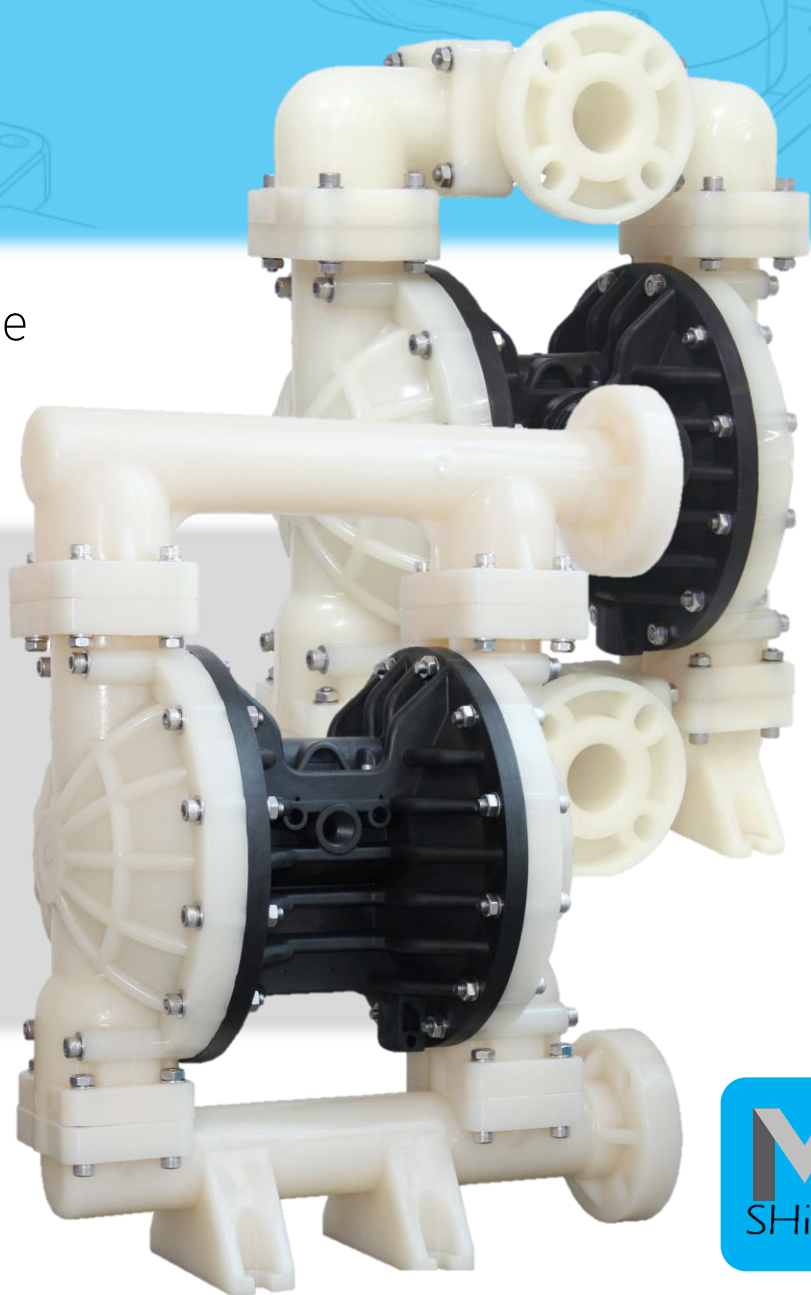


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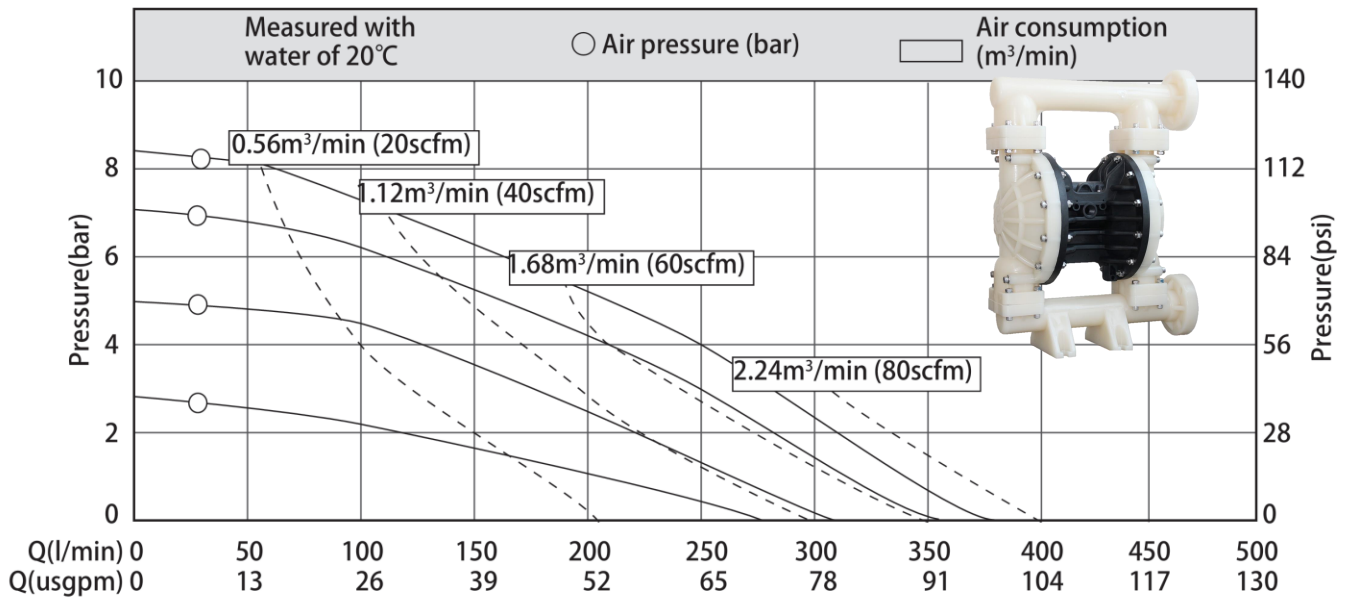
Care and Maintenance
Manual

M40

Bolted
Plastic
Pumps



Performance Curve



Technical Parameters

Parameter	Unit	Value
Suction Lift - dry	mwc	4
Suction lift - wet	mwc	8
Solids size	mm	5
Air inlet	inch	1/2
Max air inlet pressure	bar	8.4

Material of Construction

Pump Part	Material
Pump body	PP, PVDF
Diaphragm	Santoprene (ST), Teflon (TF), Hytrel
Seat	PP, PVDF
Centre block	PP

Weight

Pump type	Weight
Polypropylene	17kg
PVDF	24kg



Dimensional Drawings

Center distance
110mmX4-M16

DIN / ANSI 40

Air inlet $\frac{1}{2}$ " BSP/NPT
Air outlet $\frac{3}{4}$ " BSP/NPT
(Back view)

579mm

299.5mm
387.5mm

Foot M12x4

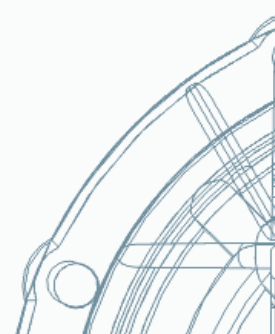
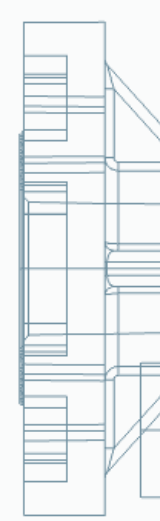
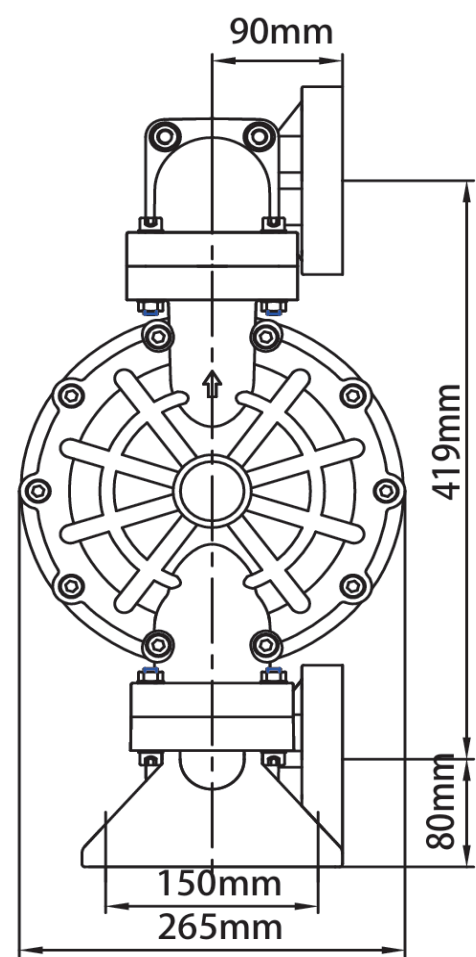
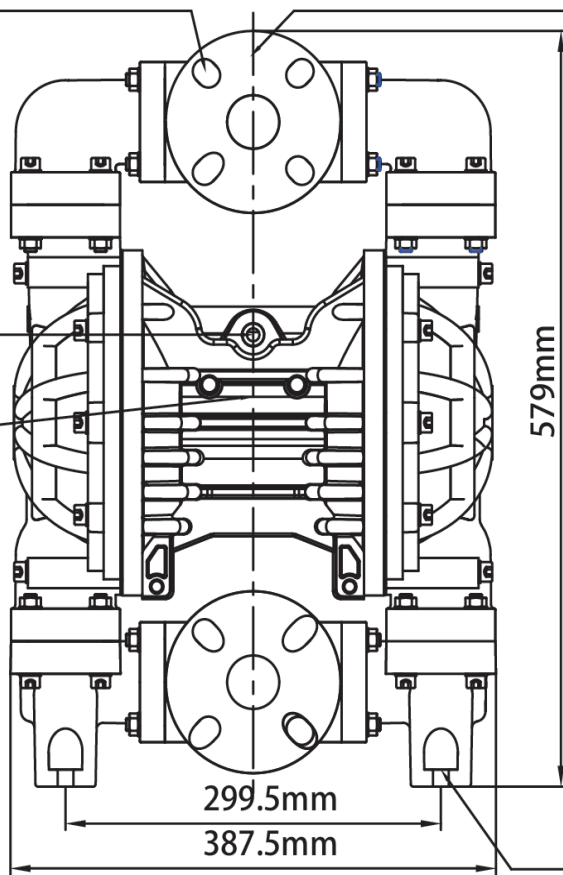
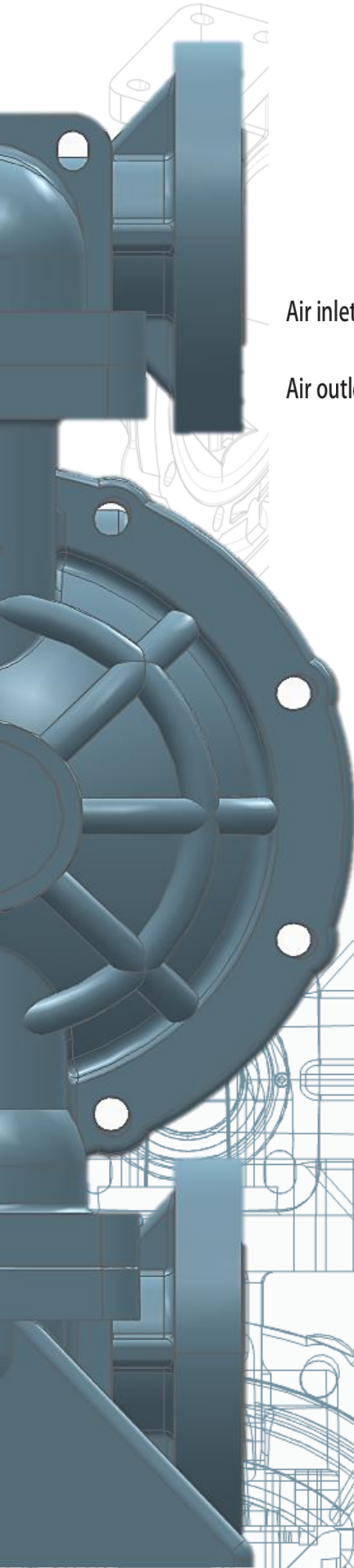
Hole distance
299.5mm x 150mm

90mm

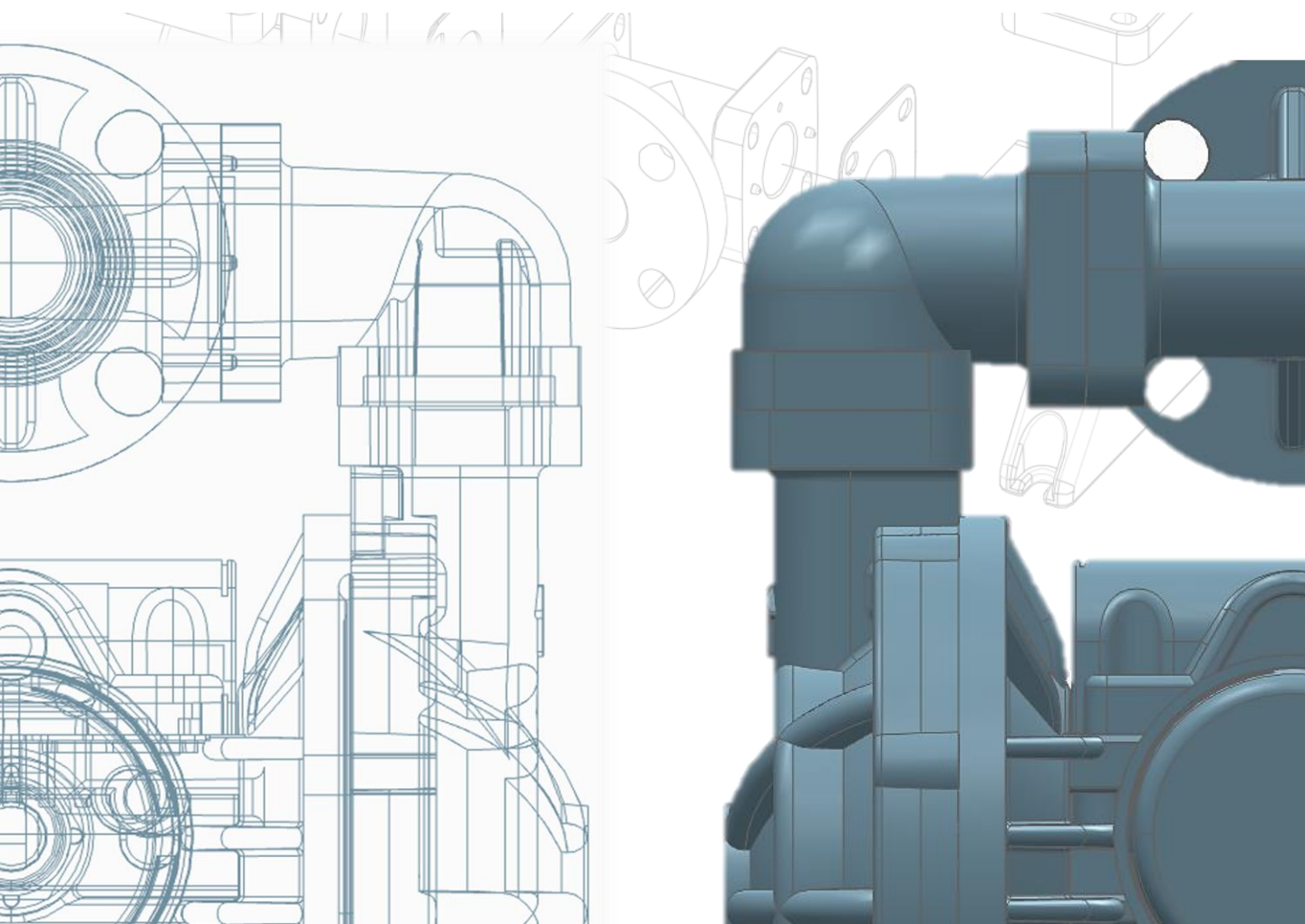
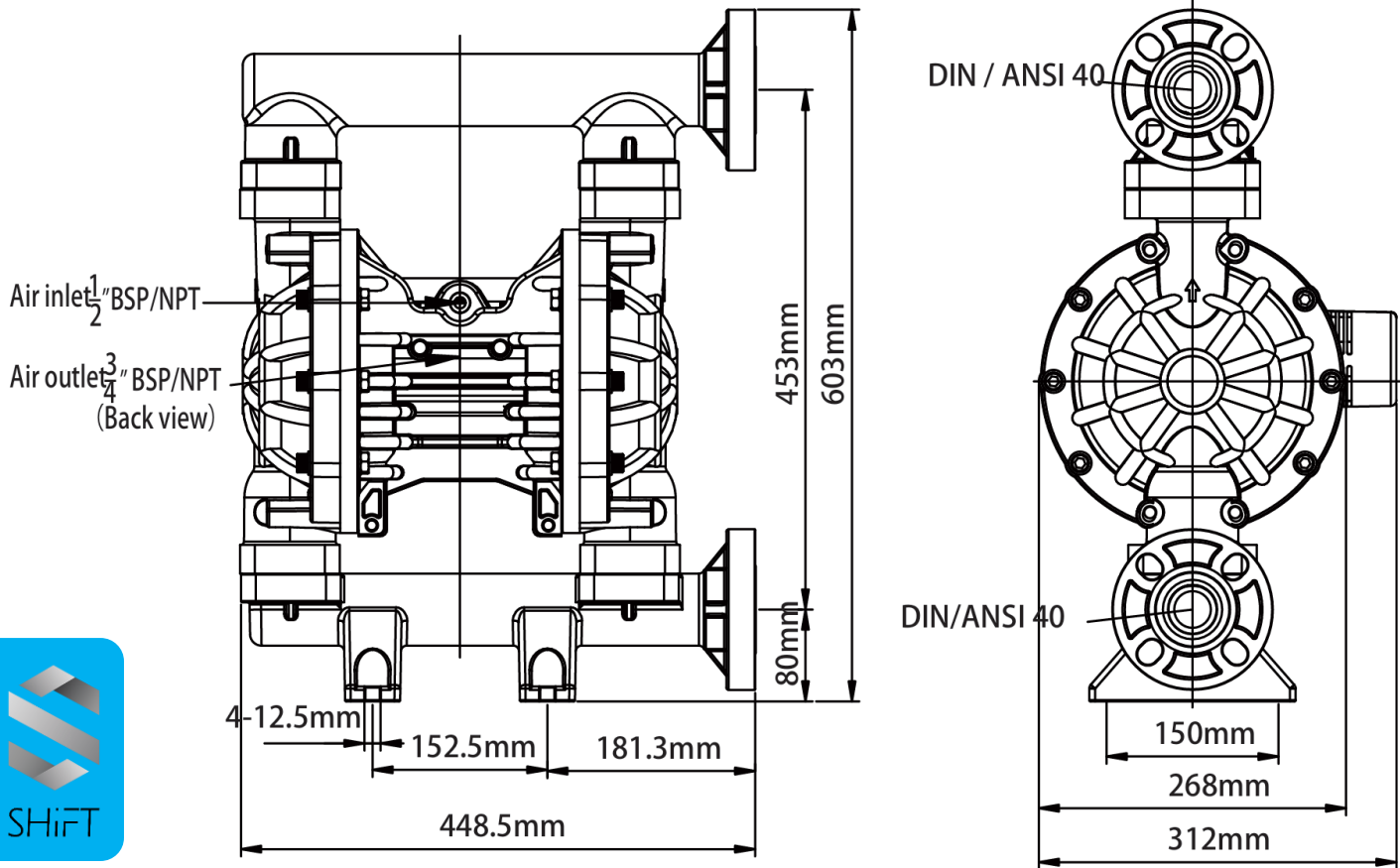
419mm

80mm

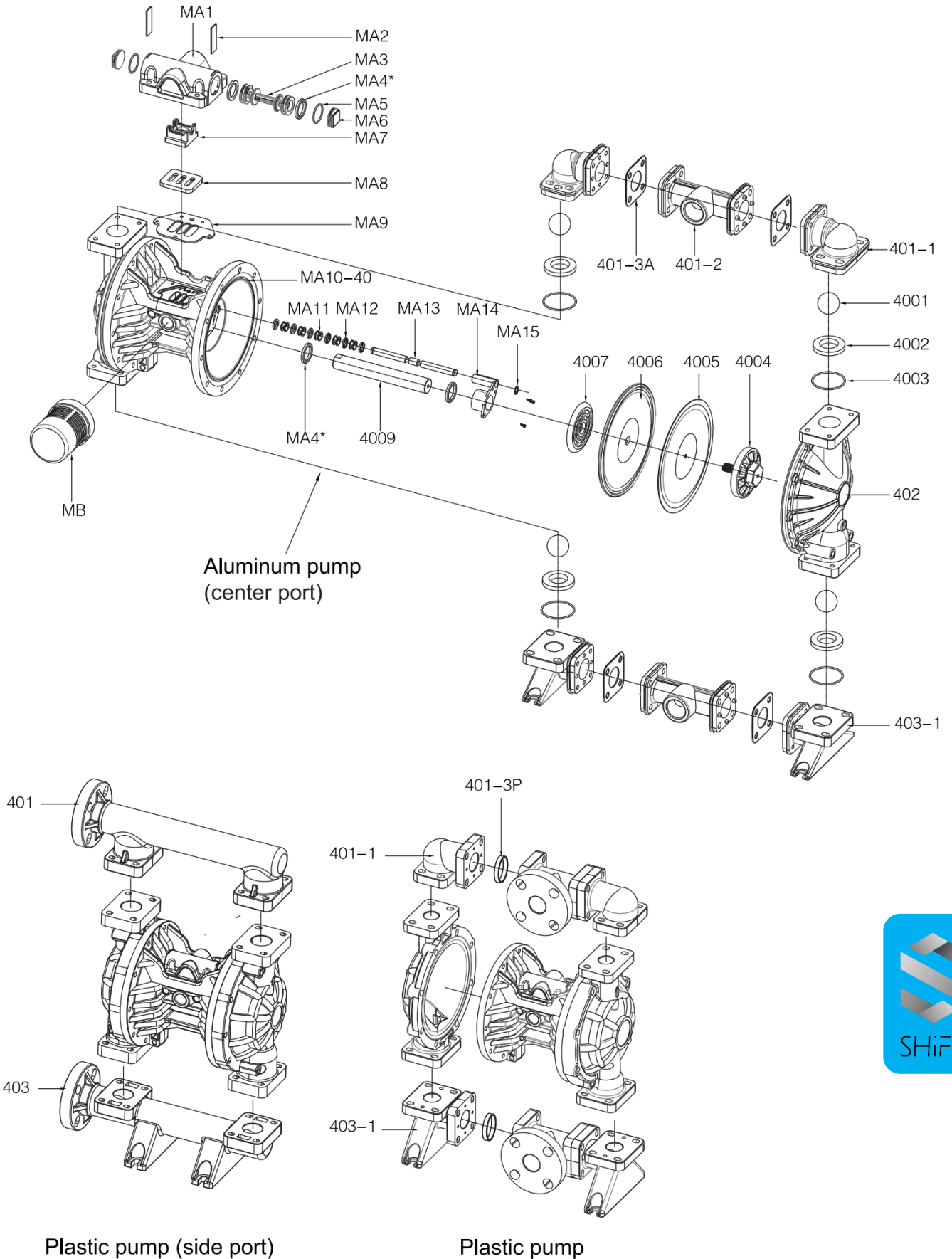
150mm
265mm



Dimensional Drawings



Part Numbers



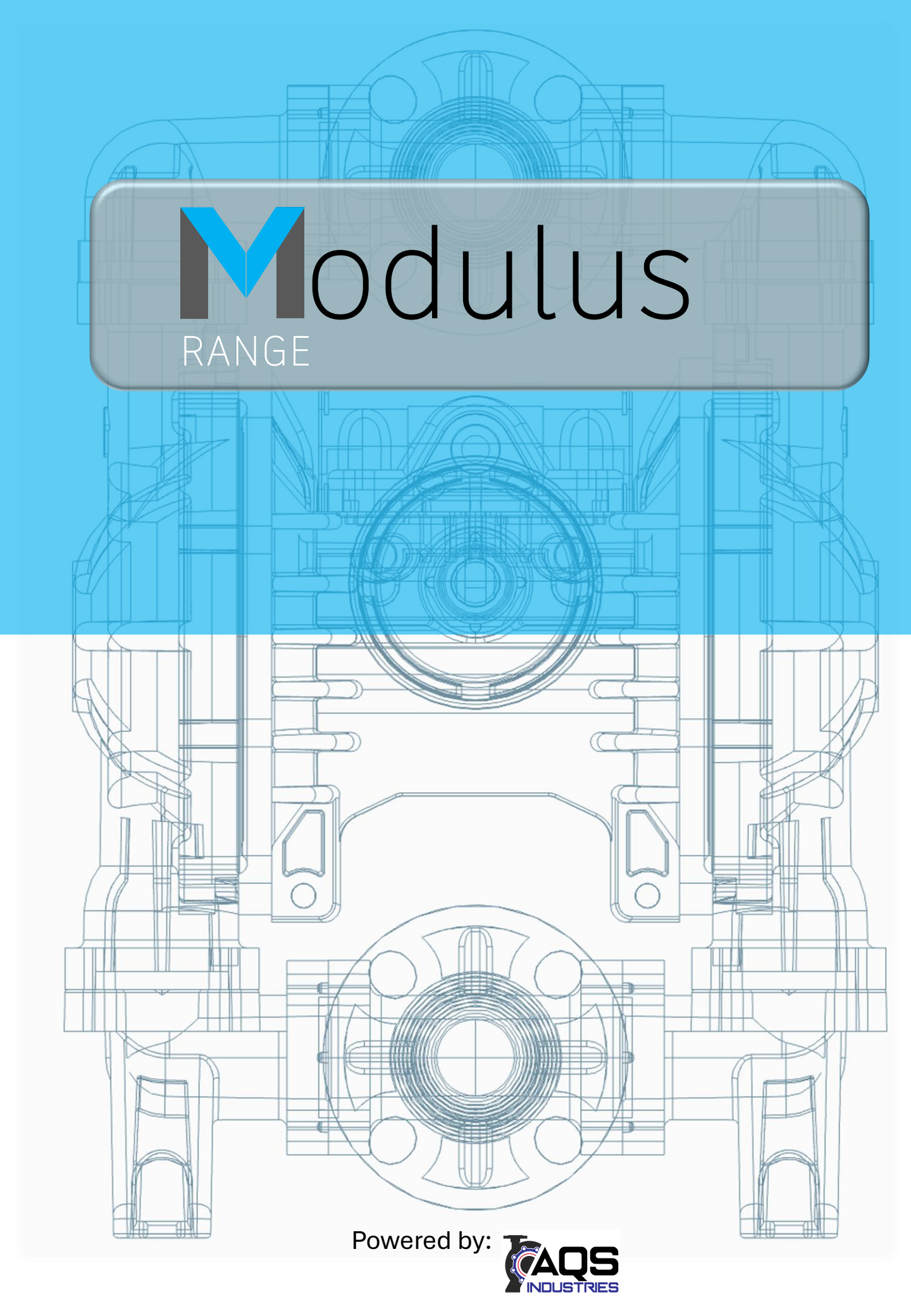
Part Numbers

Part code	Name
MA1-KV	Air valve housing
MA2-SS	Plug locking plate
MA3-PM	Piston
MA4-VT	V-ring
MA5-VT	Plug O-ring
MA6-KV	Plug
MA7-PM	Pilot valve
MA8-SS	Valve plate

MA9-ST	Air valve gasket
MA10-40-PP	Centre block
MA11-PM	Reversing valve
MA12-VT	Shaft O-ring
MA13-SS	Shaft
MA14-PM	Rod locking plate
MA15-SS	Snap ring
MB-PP	Muffler

Part code	Name
401-SS	Discharge Manifold
401-LL	
401-PP	
401-KV	
401-AC	Upper Elbow
401-1-PP	
401-1-AL	
401-1-KV	TEE
401-2-PP	
401-2-AL	TEE Gasket (Plastic pump)
401-2-KV	
401-3P-HY	
401-3P-ST	TEE Gasket (AL pump)
401-3P-TF	
401-3A-HY	Suction Manifold
401-3A-ST	
401-3A-TF	
403-SS	Bottom Elbow
403-LL	
403-PP	
403-KV	
403-AC	Fluid chamber
403-1-PP	
403-1-AL	
403-1-KV	Valve ball
402-KV	
402-PP	
402-AL	
402-SS	
402-LL	
402-AC	Inner plate
4001-TF	
4001-ST	
4001-HY	Diaphragm Rod

Part code	Name
4001-BN	Valve ball
4001-EP	
4001-SS	
4001-LL	
4001-CM	Valve seat
4002-PP	
4002-AL	
4002-TF	
4002-ST	
4002-HY	
4002-BN	
4002-EP	
4002-VT	Seat O-ring
4002-SS	
4002-LL	
4003-TF	Plate
4003-BN	
4003-EP	
4003-VT	
4004-KV	Teflon diaphragm
4004-PP	
4004-AL	
4004-SS	Rubber diaphragm
4004-LL	
4005-TF	
4006-ST	
4006-HY	
4006-BN	
4006-EP	Inner plate
4006-VT	
4006-GE	
4007-AL	Diaphragm Rod
4009-SS	

The background of the entire page is a technical line drawing of a complex mechanical assembly, likely a pump or motor. The drawing is rendered in a light blue color and is centered on the page. It shows various components such as a central shaft, bearings, housing, and mounting brackets. The drawing is a cross-sectional view, showing the internal structure of the machine. The top half of the drawing is partially obscured by a grey rounded rectangle containing the text.

M Modulus

RANGE

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