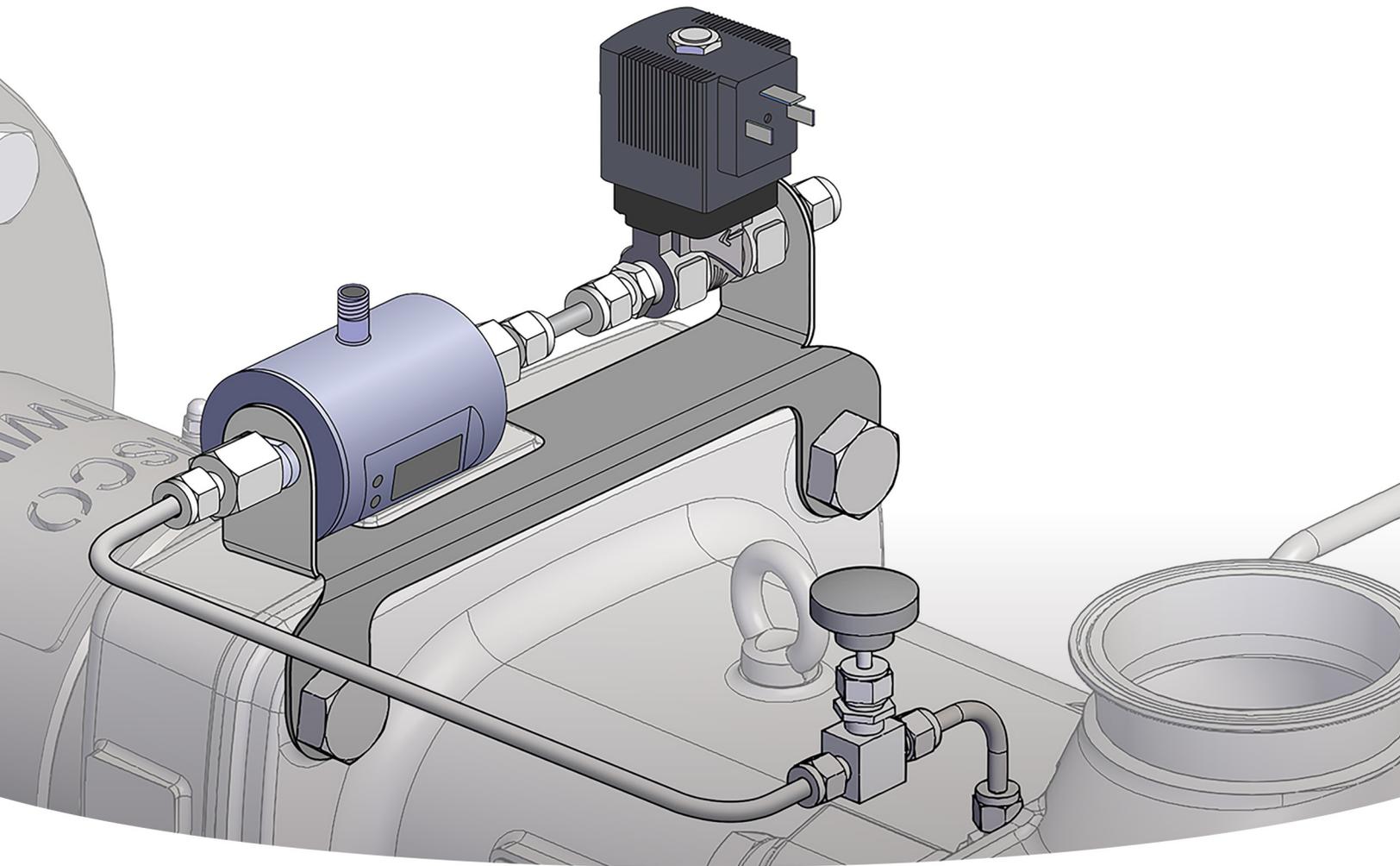


SEAL WATER AUTOMATION KIT

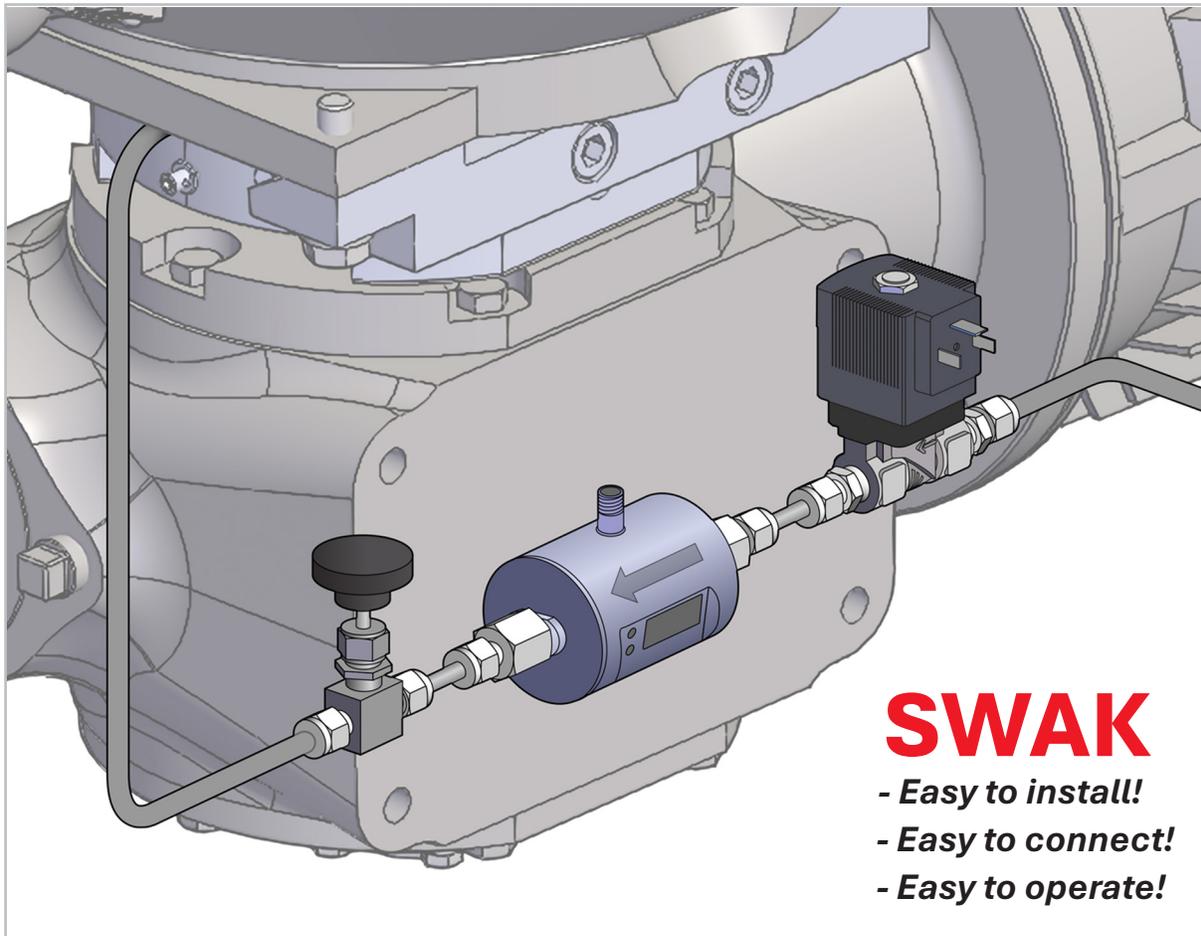
TECHNICAL BROCHURE



Seal Water Automation Kit (SWAK)

PROCESSTEC provides versatile, efficient, and easy-to-use solutions to support engineers, operators, and maintenance personnel in the integration of process equipment.

One of the very practical solutions at **PROCESSTEC** is **SWAK**, the **Seal Water Automation Kit**.



SWAK is a device that ensures proper supply of seal water for double acting mechanical seals (DAMS). It can be installed on any machinery that is equipped with DAMS such as agitators, pumps, mixers, and emulsifiers.

- PLC-controlled supply of seal water.
- Fittings, tubing, and valves are ready for plug and play installation.

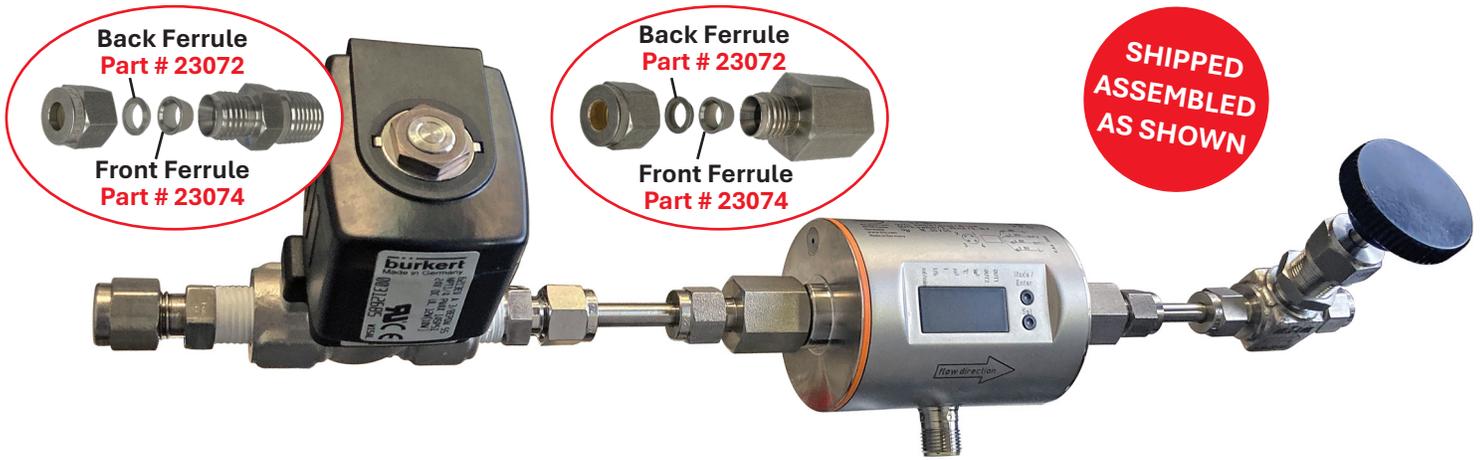
SWAK includes a tiny flow meter with a programmable set point, a solenoid or pneumatic shut-off valve, and all necessary fittings, cables, plugs and pipes in stainless steel.

Seal Water Automation Kit (SWAK)



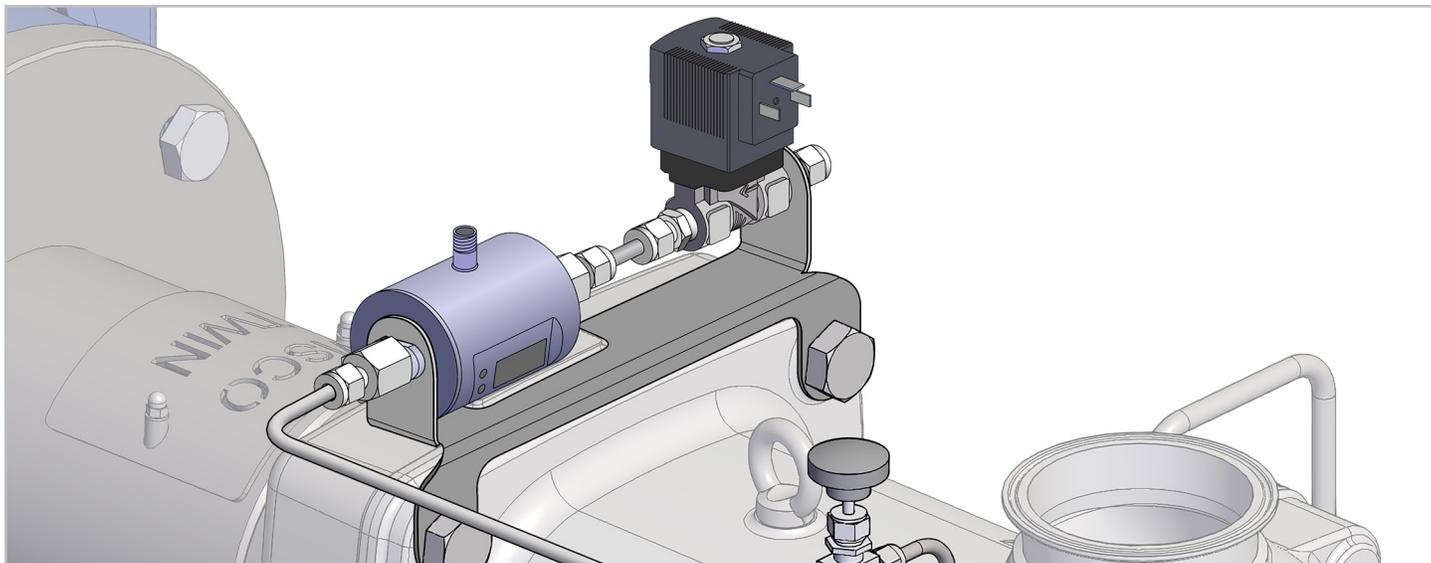
INCLUDES:

5 meter cable with an M12 connector to IFM SM4100 1/4", and a plug to Burkert valve.



Burkert Solenoid Shutoff Valve	1/4" Stainless Steel Tubing	IFM Flow Meter	SS-1 Needle Valve
Automates the flow of seal water to start and stop with your DAMS.	2 pieces of 1/4" ID stainless steel tubing are included.	Monitors the volumetric flow, quantity consumed, and even seal water temperature.	Stainless steel needle valve, used with a flow meter for precise control of seal water.
Part # 21951	--	Part # 21460	Part # 10745

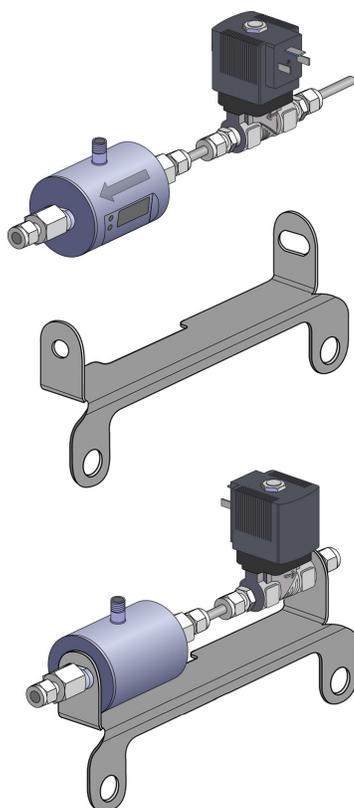
SWAK Mounting Brackets for VT G10 Pumps



At **PROCESSTEC**, we use a **SWAK** for our ViscoTwin G10 pumps. This setup can be installed with or without a mounting bracket, a practical solution for individual mounting.

Practical also because:

- Should you already have a **SWAK**, you can upgrade it with a Mounting Bracket.
- The stainless intermediate tube can be adapted to the length of the bracket.
- A clamping ring for the existing compression fittings can also be supplied on request.
- SWAK brackets are available in both LEFT and RIGHT versions.



SWAK (KIT ONLY)

Part # 22311 Seal Water Automation Kit (Kit Only - No Bracket included)

MOUNTING BRACKETS ONLY

Part # 23339 SWAK Bracket VT70 (LEFT)

Part # 23341 SWAK Bracket VT70 (RIGHT)

Part # 23070 SWAK Bracket VT104 (LEFT)

Part # 23269 SWAK Bracket VT104 (RIGHT)

Part # 23340 SWAK Bracket VT130 (LEFT)

Part # 23342 SWAK Bracket VT130 (RIGHT)

COMPLETE SWAK WITH MOUNTING BRACKETS

Part # 23498 SWAK VT70 (L/NORM.)

Part # 23729 SWAK VT70 (R/REV.)

Part # 23497 SWAK VT70 (R/NORM.)

Part # 23735 SWAK VT70 (L/REV.)

Part # 23494 SWAK VT104 (L/NORM.)

Part # 23733 SWAK VT104 (R/REV.)

Part # 23734 SWAK VT104 (R/NORM.)

Part # 25005 SWAK VT104 (L/REV.)

Part # 23728 SWAK VT130 (L/NORM.)

Part # 23495 SWAK VT130 (R/REV.)

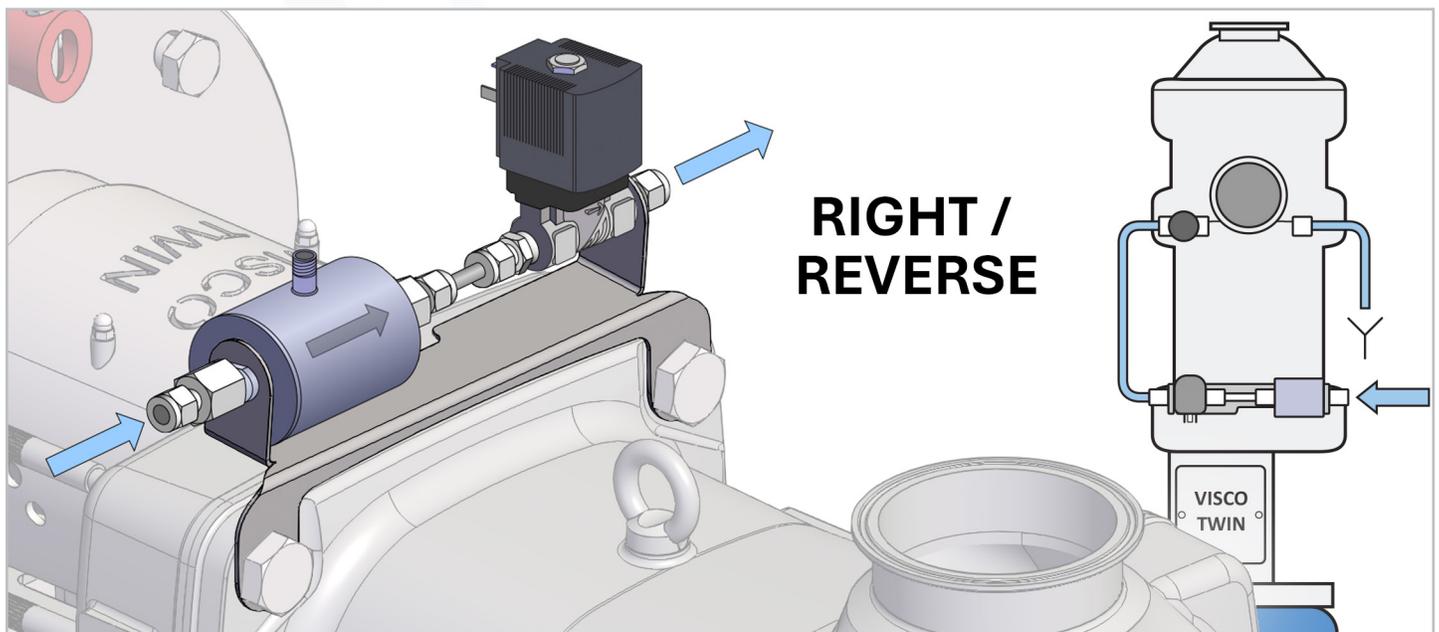
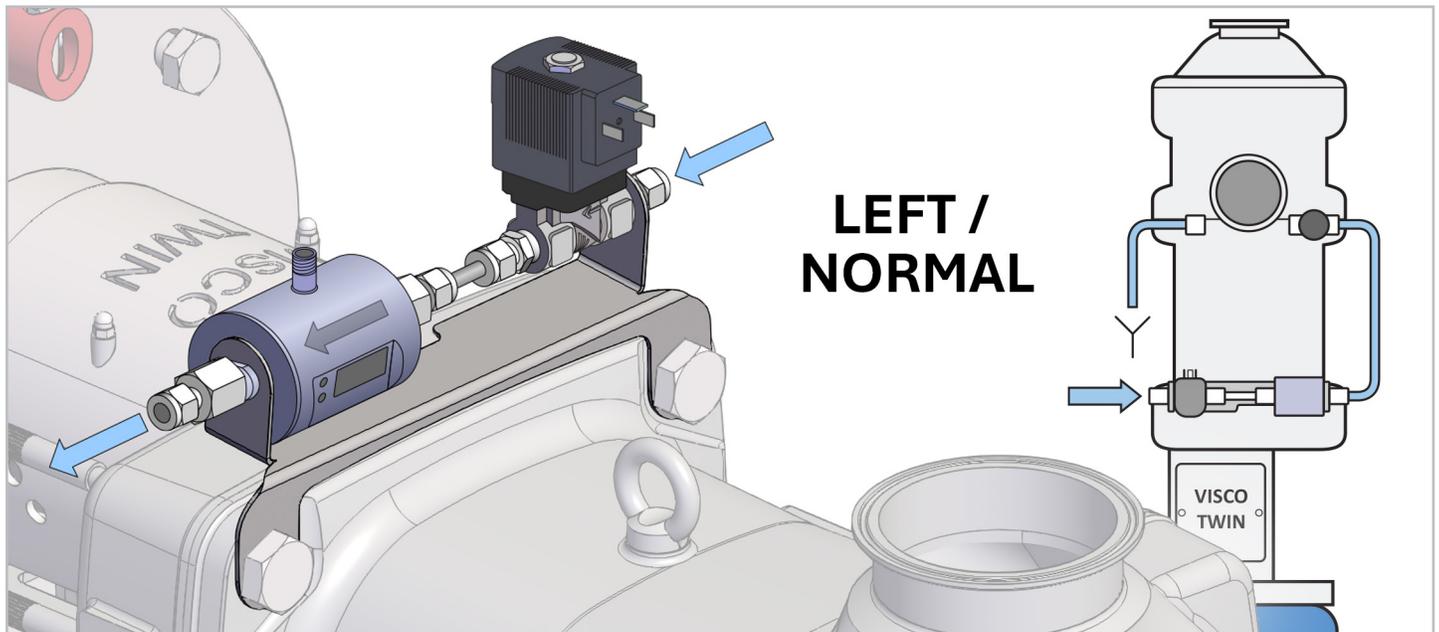
Part # 23714 SWAK VT130 (R/NORM.)

Part # 23496 SWAK VT130 (L/REV.)

SWAK Mounting Brackets (LEFT SIDED)

Use the SWAK Mounting Bracket to secure SWAK on your **ViscoTwin**.

The **LEFT BRACKET** can be used on **LEFT / NORMAL** and **RIGHT / REVERSE** Configurations, as shown in the illustrations and diagrams below. Note the Light Blue Direction Arrows, indicating the direction that the Seal Water flows. Both the Flow Meter and the Solenoid Shutoff Valve will have an arrow on them to indicate flow direction as well.



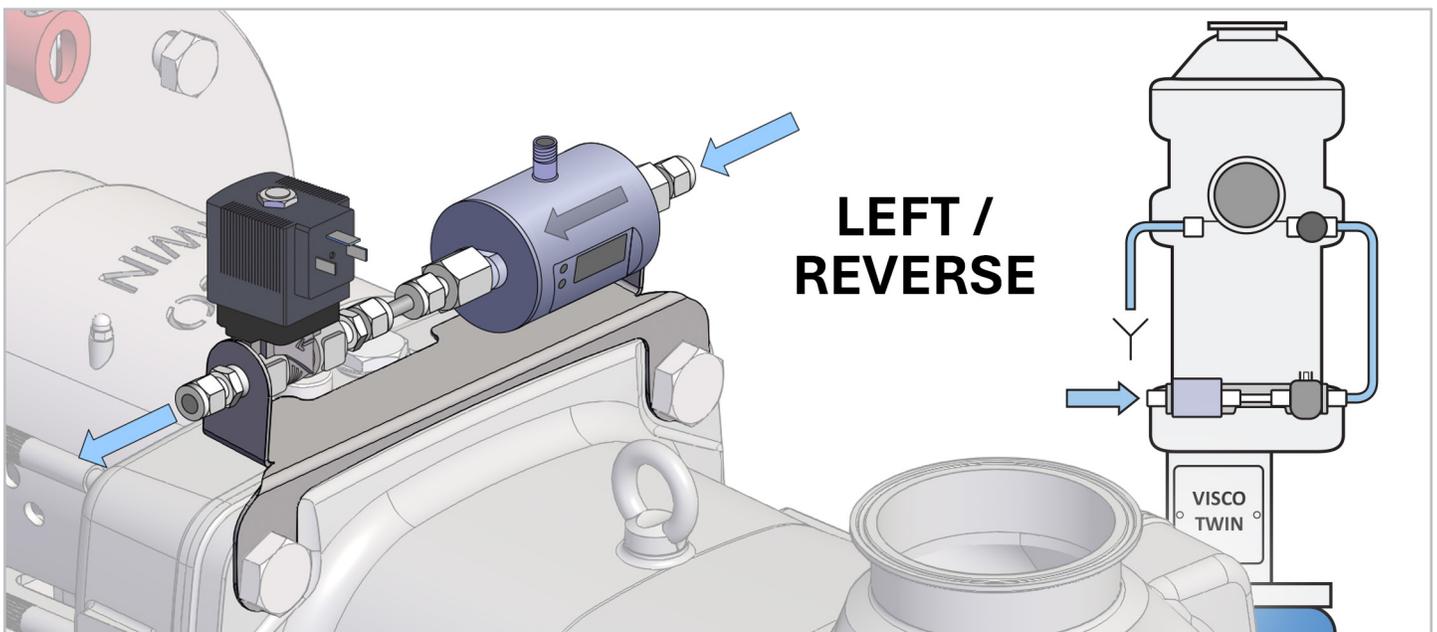
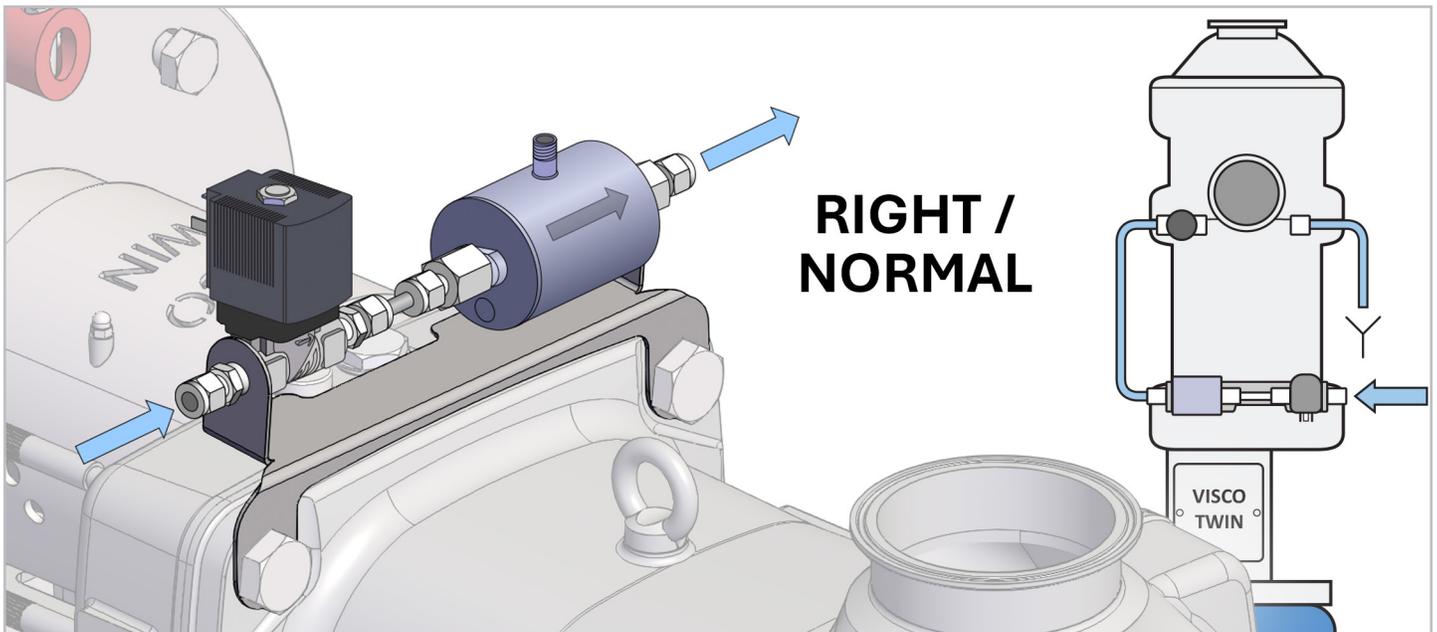
SWAK Mounting Bracket (RIGHT SIDED)

Use the SWAK Mounting Bracket to secure SWAK on your **ViscoTwin**.

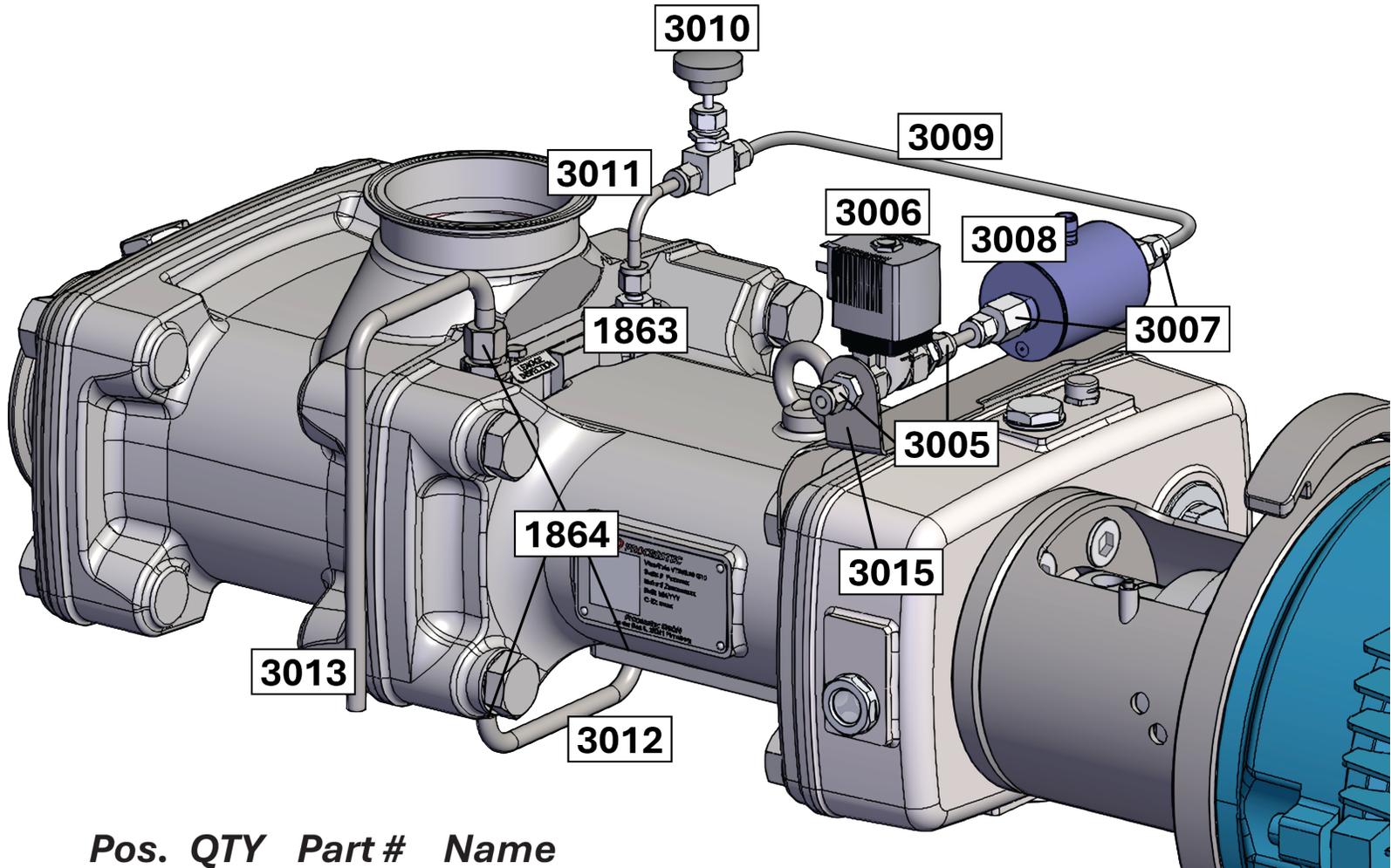
The **RIGHT BRACKET** can be used on **RIGHT / NORMAL** and **LEFT / REVERSE** Configurations, as shown in the illustrations and diagrams below. Note the Light Blue Direction Arrows, indicating the direction that the Seal Water flows. Both the Flow Meter and the Solenoid Shutoff Valve will have an arrow on them to indicate flow direction as well.



#23341 (VT70, RIGHT)
#23269 (VT104, RIGHT)
#23342 (VT130, RIGHT)



SWAK Components and Spare Parts



Pos.	QTY	Part #	Name
3005	2	22206	Male Connector Straight 1/4 - 1/4
3006	1	21951	6213 Burkert Solenoid Shutoff Valve
3007	2	21464	Female Connector Straight 1/4 - 1/4
3008	1	21460	SM4100 IFM Flow Meter
3009	1	23393	Seal Water Mounting Bracket Tubing VT104 G8 NG
3009	1	23394	Seal Water Mounting Bracket Tubing VT130 G8 NG
3010	1	10745	SS-1 Needle Valve
3011	1	22014	Supply Pipe Seal Water VT70 VT104 VT130 G8 NG G10
3012	1	22015	Link Pipe Seal Water VT70 VT104 VT130 G8 NG
3013	1	22017	Discharge Pipe Seal Water VT70 VT104 VT130 G8 NG G10
3015	1	23339	SWAK Bracket VT70 Left
3015	1	23341	SWAK Bracket VT70 Right
3015	1	23070	SWAK Bracket VT104 Left
3015	1	23269	SWAK Bracket VT104 Right
3015	1	23340	SWAK Bracket VT130 Left
3015	1	23342	SWAK Bracket VT130 Right
1863	1	21690	Male Connector Straight G3/8 - T1/4 VT70/104/130 G8 NG G10
1864	3	21689	Male Connector Straight G3/8 - T3/8 VT70/104/130 G8 NG G10

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PERSONAL CARE



TOMATO



BEVERAGES



SAUCES



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PROCESSED FOODS



PROCESSED MEAT



BAKERY



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PASTRIES



OILS



FRAGRANCE



CHEMICALS



PAINTS



VARNISHES

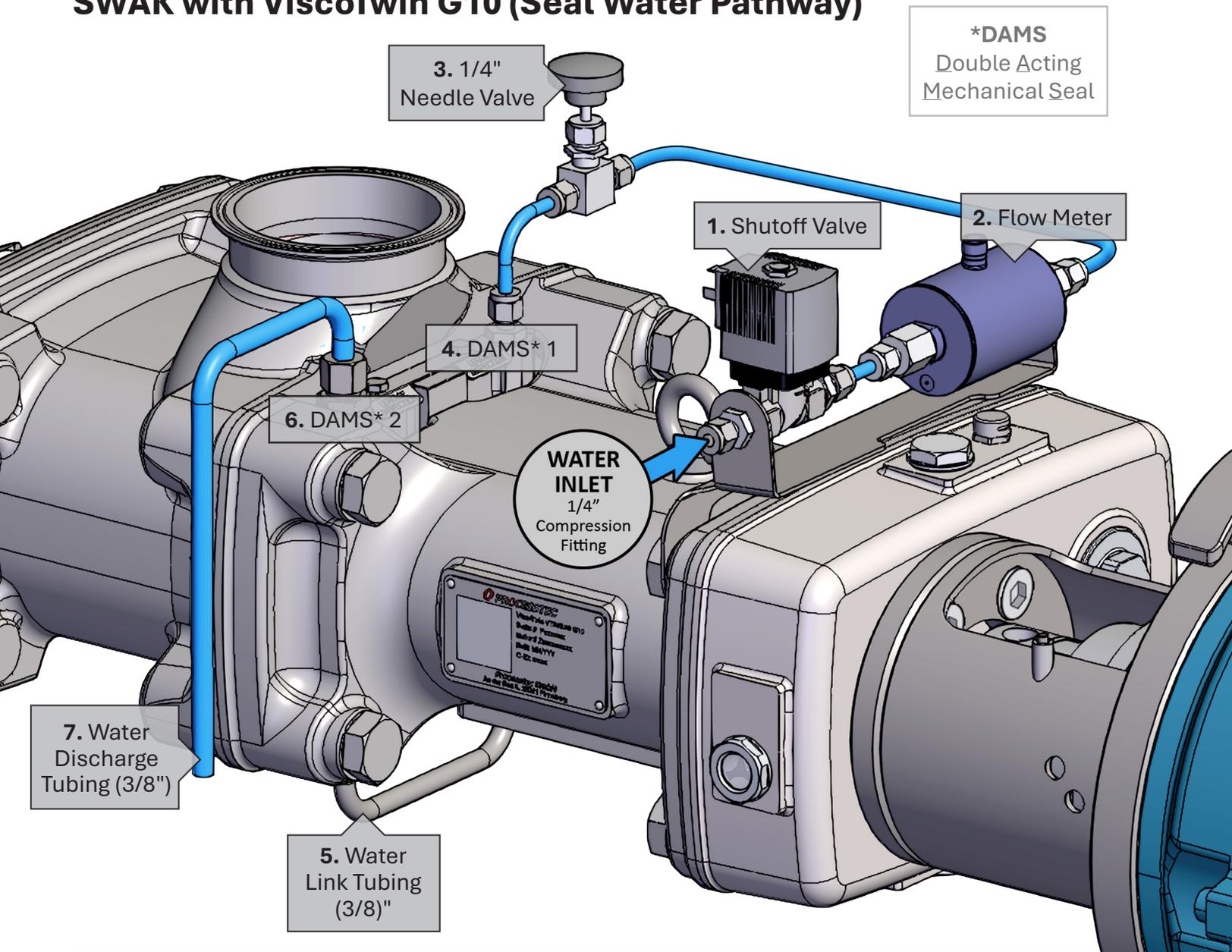


OINTMENTS



PHARMA-CEUTICALS

SWAK with ViscoTwin G10 (Seal Water Pathway)



*DAMS
Double Acting
Mechanical Seal

PROCESSTEC, Inc.
9938 West Legacy Ave,
Visalia, CA 93291

Phone: +1 (559) 429-4227
Fax: +1 (559) 429-4228

Email: sales@processtec.com
<http://processtec.com>