

The future of high-performance metering pump systems.
Introducing the world's first combination pulsation dampener & back pressure valve:

BLACOH HYBRID VALVE™



Patent Pending



THE ALL IN ONE SMART CHOICE:

The new patent-pending Hybrid Valve™ from Blacoh combines the steady flow control of a pulsation dampener and the regulation of a back pressure valve to deliver the performance and functionality of both. Why install and maintain two pieces of equipment when the Hybrid Valve™ does the same, only better.

LESS SPACE
LESS LEAK POINTS
LESS MAINTENANCE

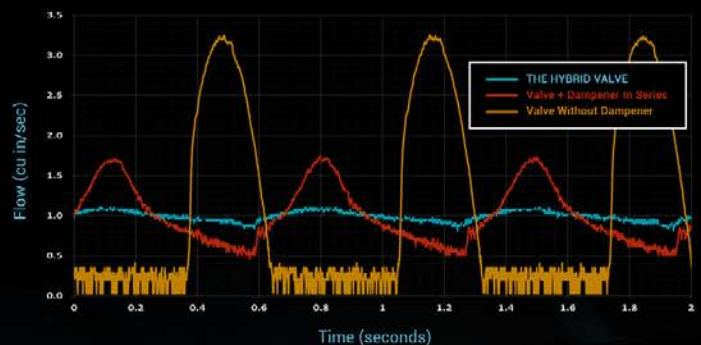


MORE EFFICIENCY
MORE FUNCTIONALITY
MORE PROTECTION

THE PERFORMANCE IS IN THE NUMBERS:

The state-of-the-art Hybrid Valve™ was engineered with proven principles for optimum performance and maximum efficiency, saving you costs in the long run.

In a metering pump system, using a back pressure valve alone does nothing to improve fluid flow (orange). The flow improves significantly when put in series with a pulsation dampener (red). But neither result can match the excellent laminar performance of the single construction Hybrid Valve™ as the two functions work in unison (blue).



BLACOH™
FLUID CONTROL

Celebrating Over 40 Years. Don't Pump Without Us.
951.342.3100 | WWW.BLACOH.COM | SALES@BLACOH.COM



**TRUST THE FLUID CONTROL EXPERTS:
NO CHATTER & SMOOTHER FLOW**

Location and proximity are key when installing pulsation dampeners and back pressure valves in any pumping system.

A back pressure valve installed in series with a dampener can negate the dampening effect if the valve is opening and closing before the dampener is able to get a full pulse. This quick-opening effect can also create too much gain within the back pressure valve resulting in inefficiency and chatter.

By combining the dampener and back pressure valve into a single engineered unit, we've eliminated the most common issues with installation for a more efficient, simplified system.

TECH SPECIFICS



Air Control Type:
Chargeable
Dampener Volume:
10 cu in (0.16L)



Wetted Housing:
PVC or CPVC
Non-Wetted Housing:
PVC or CPVC



Bladder/Bellows Material:
Buna-N, EPDM,
Hypalon, Neoprene,
PTFE, Santoprene,
Silicone Food Grade,
Viton
Valve Diaphragm Material:
PTFE



Spring:
Zinc Plated Carbon Steel
Spring Housing (Non-Wetted Side):
PVC
Spring Adjustment Screw:
PVC
Spring Seat:
PVC



Inlet Connection Options:
1/4" (6.4mm) NPT or BSP
3/8" (10 mm) NPT or BSP
1/2" (13 mm) NPT or BSP
1/2" (13 mm) Union Connection
1/2" (13 mm) Socket Weld
1/2" (13 mm) Socket Weld Flange



Standard Dimensions:
Height: 9.4" (239 mm)
Diameter: 3.5" (89 mm)

MODEL NUMBERS

Contact our sales team or enter the model number into our online SpeedQuote

SERIES:		INLET SIZE:		EXTERNAL HOUSING:		INTERNAL MATERIALS:		SPRING PRESSURE RANGE		INLET TYPE	
HYBRID VALVE		10 CU IN		WETTED	NON-WETTED	BLADDER	DIAPHRAGM			FNPT	/
		0.25"	-025	PVC	-V	BUNA-N	-B	10-150 PSI	/	BSP	-BSP
		0.375"	-038	CPVC	-C	EPDM	-E	10-50 PSI	-L	SOCKET WELD	-SW
		0.50"	-049			HYPALON	-H			UNION	-U
						NEOPRENE	-N				
						PTFE	-T				
						SANTOPRENE	-W				
						SILICONE (FG)	-S				
						VITON	-V				

CONTACT US



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BLACOH.COM/HYBRIDVALVE



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