COMPARISON CENTRAL: WILDEN VS. MURZAN

Wilden® Hygienic Series with Pure-Fuse Diaphragm vs. Murzan



Murzan publishes minimal data regarding the performance of their pumps. Because of this, Wilden® conducted a head-to-head test in its test lab, which is setup in accordance to the Hydraulic Institute's testing standards. The test pitted Murzan's 76 mm (3") pump against the Wilden 76 mm (3") **Pro-Flo® SHIFT Hygienic Series (HS) Pump with Pure-Fuse Diaphragms**. Murzan and Wilden were tested under identical application conditions. At all data points – from an air inlet of (40 psig with 0 psig discharge) to an air inlet of (120 psig with 90 psig discharge) – the Wilden HS pump outperforms Murzan's pump both in product yield and air consumption.

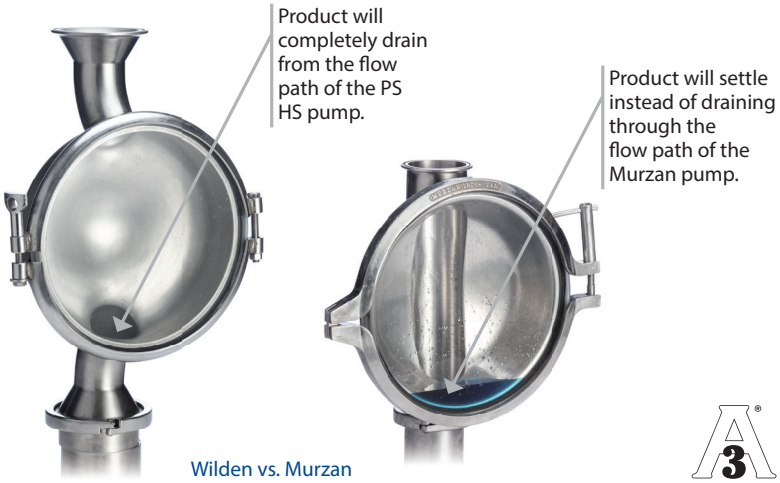




NOTE: Information based on published data for the 76 mm (3") Pro-Flo SHIFT Hygienic Series (HS) pump vs. Murzan for 5.52 bar air inlet at 0.69 bar discharge pressure (80 psig air inlet at 10 psig discharge pressure)

CLEANABILITY CHALLENGE:

The unique design of Wilden Hygienic Series pumps incorporates a free-draining flow path that optimizes performance and enables clean-in-place (CIP) capability while allowing the pump to meet all 3A requirements. It is by design that the HS pump does not have any catch areas for product to remain inside the pump. Catch areas can create potential bacteria growth, contaminating the product.



Wilden vs. Murzan

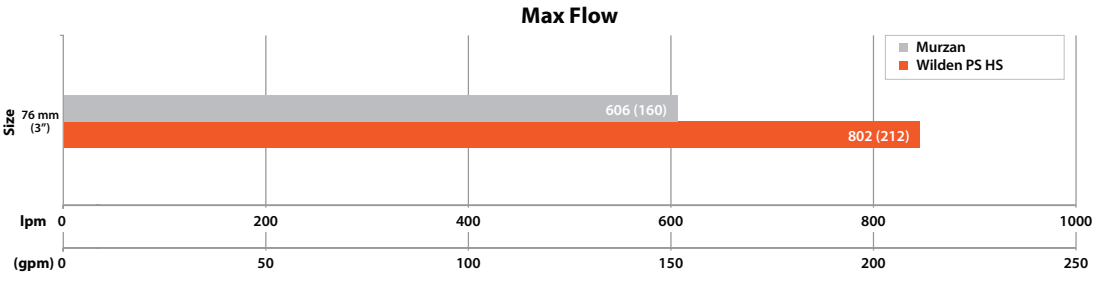
DON'T BELIEVE US? FLIP OVER TO SEE THE DATA!

WILDEN®

COMPARISON CENTRAL: WILDEN vs. MURZAN

MAX FLOW





BENEFITS: Wilden PS HS pumps have a higher flow rate than Murzan pumps! PS HS pumps can pump more product, increasing plant productivity!

EFFICIENCY



DATA POINTS	WILDEN PS HYGIENIC SERIES lpm (gpm)	WILDEN PS HYGIENIC SERIES Nm³/h (scfm)	MURZAN lpm (gpm)	MURZAN Nm³/h (scfm)	% MORE PRODUCT YIELD	% LESS AIR CONSUMED
4.14 bar air inlet @ 1.38 bar discharge pressure (60 psig air inlet @ 20 psig discharge pressure)	**458 (121)**	**77 (48)**	386 (102)	83 (52)	**19%**	**8%**
5.52 bar air inlet @ 0.69 bar discharge pressure (80 psig air inlet @ 10 psig discharge pressure)	**670 (177)**	**104 (65)**	500 (132)	117 (73)	**34%**	**11%**
5.52 bar air inlet @ 3.45 bar discharge pressure (80 psig air inlet @ 50 psig discharge pressure)	**322 (85)**	**87 (54)**	276 (73)	91 (57)	**16%**	**5%**
6.89 bar air inlet @ 1.38 bar discharge pressure (100 psig air inlet @ 20 psig discharge pressure)	**632 (167)**	**130 (81)**	500 (132)	149 (93)	**27%**	**13%**
8.27 bar air inlet @ 2.07 bar discharge pressure (120 psig air inlet @ 30 psig discharge pressure)	**613 (162)**	**159 (99)**	488 (129)	186 (116)	**26%**	**15%**

BENEFITS: Wilden PS HS pumps increase product yield while requiring less air to power the pump – increasing energy savings and plant productivity!

ANNUAL OPERATING COST* (USD)



DATA POINTS	WILDEN PS HYGIENIC SERIES	MURZAN	WILDEN ANNUAL SAVINGS
4.14 bar air inlet @ 1.38 bar discharge pressure (60 psig air inlet @ 20 psig discharge pressure)	**$2,329**	$2,523	**$194**
5.52 bar air inlet @ 0.69 bar discharge pressure (80 psig air inlet @ 10 psig discharge pressure)	**$3,154**	$3,542	**$388**
5.52 bar air inlet @ 3.45 bar discharge pressure (80 psig air inlet @ 50 psig discharge pressure)	**$2,629**	$2,766	**$146**
6.89 bar air inlet @ 1.38 bar discharge pressure (100 psig air inlet @ 20 psig discharge pressure)	**$3,931**	$4,513	**$582**
8.27 bar air inlet @ 2.07 bar discharge pressure (120 psig air inlet @ 30 psig discharge pressure)	**$4,804**	$5,629	**$825**

** Assumptions: Annual Operating Cost (USD) is calculated assuming that the pumps are operating at 8 hours a day, 5 days a week, totaling to 2,080 hours of operation per year at 14 cents per kilowatt hour.*
All information gathered and presented is published Murzan performance data found in Murzan Manuals collected 09-2026

WIL-19228-F-03
Copyright 2026 PSG®, a Dover company

Authorized PSG® Partner:

Where Innovation Flows

PSG
22069 Van Buren Street
Grand Terrace, CA 92313-5651 USA
P: +1 (909) 422-1730 • F: +1 (909) 783-3440
wildenpump.com

PSG® reserves the right to modify the information and illustrations contained in this document without prior notice. This is a non-contractual document. 10-2026