MURZAN

POULTRY PROCESSING PUMP



Gillain & Co

HYGIENIC EQUIPMENT FOR FOOD & LIFE SCIENCES

Gillain & Co NV | Boomsesteenweg 85, B-2630 Aartselaar | Tel. +32 3 870 60 80, Fax +32 3 870 60 89 | advice@gillain.com | www.gillain.com

The Murzan PI 50 is the only sanitary diaphragm pump specifically designed with the needs of the poultry industry in mind. This pump can easily handle solids up to 6" (15 cm) in diameter or 7" (17 cm) long without damaging the product - suitable for pumping necks, gizzards, livers, hearts, feet, blood, or any other application in a poultry processing plant. The Murzan PI 50 is FDA approved and USDA Meat & Poultry listed.

Construction

The Murzan PI 50 is constructed totally of either T-304 or T-316L stainless steel, and is polished to a number 4 finish – even the non-wetted parts. Food grade Buna N or EPDM diaphragms and gaskets are standard, but other elastomers are also available to suit a wide range of applications. Flap check and ball check valves are totally interchangeable in order to handle any kind of product. Standard connections are tri-clamp type, but other types are available.

Features

Oil Free: The Murzan PI 50 oil free air valve never needs any lubrication. This eliminates the possibility of product or plant environment contamination.

Air Operated: Since the pump is air operated, no costly drives or motors are required, and operation in heavy wash-down areas is no concern.

No Mechanical Seals: The Murzan PI 50 has no mechanical seals or packing to replace, and can be run dry indefinitely without damage.

Solids Handling: Flap check valves with 3" diameter openings are standard for necks. Flap check valves with 2" diameter openings are standard for hearts, livers, and gizzards.

Clean In Place: The PI 50 has full clean-in-place capability, but because of its unique design it is also very easy to disassemble and clean manually.

And because the pump has very few moving parts, it is virtually maintenance free!

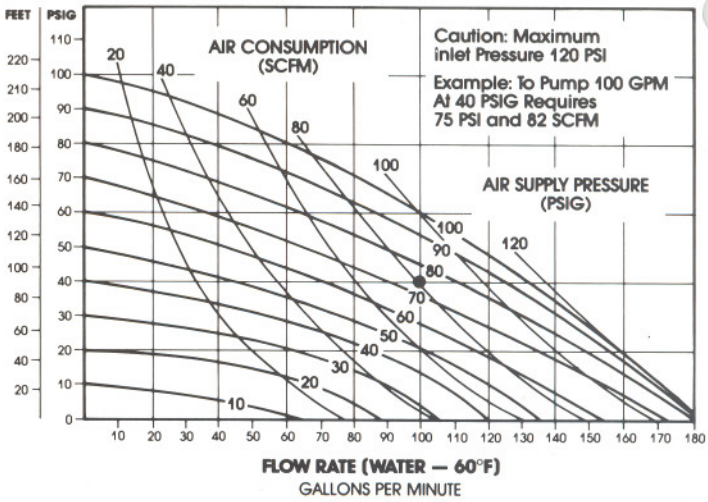
Capacity

Capacities up to 240 chicken necks per minute in solution may be achieved, depending on the concentration of solids and the total dynamic head (TDH) of the system. Rates for smaller solids will be greater, subject to the same conditions.

Applications for the Poultry Industry

- Chicken necks
- Feet
- Hearts
- Livers
- Gizzards
- Blood slurries
- . . . and all other solids handling applications

Performance curve for the PI 50



(Note the dot in the chart).

MURZAN INC.

Murzan, Inc.
2909 Langford Rd. 1-700
Norcross, GA 30071
U.S.A.
Tel: (770) 448-0583
Fax: (770) 448-0967

Murzan Europe, SARL
Orly Frêt BP 617
Zone Juliette Bât. 127-D
94392 Orly Aérogare Cedex
FRANCE
Tel: (331) 49755152
Fax: (331) 49755153

Murzan Mexico, S.A.
Coscomate 199
04730 México, D.F.
MEXICO
Tel: (525) 528-2384
Fax: (525) 665-2217

Gillain & Co NV | Boomsesteenweg 85, B-2630 Aartselaar | Tel. +32 3 870 60 80, Fax +32 3 870 60 89 | advice@gillain.com | www.gillain.com

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