



### Accessories

# Pharmastar Rotary Valve

- Accurate
- Reduces waste
- Enhances productivity
- Cost effective

## Pharmastar Rotary Valve



The Pharmastar Rotary Valve can be used as both a highly accurate changing system or on the in and out feeds from processes demanding accurate flow. Its specially shaped feeding pockets allow easy flow with the most difficult and sticky products, further enhanced by a nitrogen purge to clear them completely.

Models include the Pharmastar DN80 for fine control and DN150 for high flow, going from 0.33 litre/round to 4.5 litre/round with the flow rate dictated by the product bulk density. Both systems have a 6 bladed rotor with double bearing support and a closed seal arrangement preventing product egress.

The system is manufactured in 316 Stainless Steel with silicon seals (EPDM is available) making it fully FDA Compliant.

### Features

- Feeding accuracy to 5g
- Feed rates over 150kg per hour
- Sterile format
- 'Through the wall' versions
- Installed into Fully Automated Processes
- SIP and CIP systems
- Full ATEX versions

Description	DN150 ATEX Specification	DN80 Specification
Description/type	Rotary valve with 6 bladed rotor and double bearing support. It is also provided with gas nozzles to clean the rotor	Rotary valve with 6 bladed rotor and double bearing support. It is also provided with gas nozzles to clean the rotor
Model	Pharmastar® 150	Pharmastar® 80
Service	Feeder – Weight Control	Feeder – Weight Control
Product feed rate	4.5 litre/round. Rotation rate 3.5 to 20 rpm	0.33 litre/round. Rotation rate 3.5 to 9 rpm
Weight	95 kg	35 kg

Construction Materials		
Process contact part	AISI 316L; Silicone encapsulate FEP (O-ring); EPDM (Gasket)	AISI 316L; Silicone encapsulate FEP (O-ring); EPDM (Gasket)
Non process contact parts	AISI 304; NBR; Aluminium (Electric motor)	AISI 304; NBR; Aluminium (Electric motor)

Finish		
Internal	Ra ≤ 0.25 µm	Ra ≤ 0.25 µm
External	Ra ≤ 0.8 µm	Ra ≤ 0.8 µm

Connections		
Product inlet	6" Tri-clamp	4" Tri-clamp
Product outlet	6" Tri-clamp	3" Tri-clamp
Breaker bridge pulse inlet	Pneumatic connection ¼ G	Pneumatic connection ¼ G
Cooling electric motor inlet	Pneumatic connection for Ø14 pipe	Pneumatic connection for Ø14 pipe

RIP/CIP		
Typology	Cleaned by filling	Cleaned by filling
Type of solvents used	Detergent from Customer	Detergent from Customer

Motor Drive		
Type	Variable speed	Variable speed
Cooling electric motor	5 Nm <sup>3</sup> /h 0,5 bar	5 Nm <sup>3</sup> /h 0,5 bar
Motor Details	ABB 0.37 KW	ABB 0.37 KW

Operating Conditions		
Operating pressure	Atmospheric	Atmospheric
Design Pressure	Atmospheric (-100 to +200 mmH <sub>2</sub> O)	2.2 barg
Operating Temperature	0 to 40° C	0 to 40° C
Design Temperature:	0 to 80° C pipe	0 to 136° C pipe
Mechanical Design Pressure:	-500 +3000 mmH <sub>2</sub> O	3 Bar
Breaker bridge pulse pressure	3 Bar	

Classified zone		
Installation place (Outside isolator)	Zone 1; 21	Zone 1; 21

Distributed by