

Scrapers GPK

DESCRIPTION

GP Series Compact Automation Wipers

The GP series wiper rings (**GPA** and **GPK** models) are axially compact wiper seals designed specifically for pneumatic applications and high-frequency light industrial automation. Made from high-tech polyurethane or special elastomers, they ensure optimal removal of fine dust, moisture, and light contaminants from the rod, reducing friction and preventing stick-slip effects.

PROFILES

PROFILE / TYPE	GEOMETRIC AND FUNCTIONAL DESCRIPTION
GPA Standard Type	Compact wiper profile with an asymmetrical single lip for elastic installation in a semi-open groove. Ensures minimal axial space and maximum smoothness.
GPK Anti-pressure Type	Advanced design featuring a dynamic rear relief groove. This variant completely eliminates the risk of accidental wiper blowout caused by parasitic air back-pressures inside the cylinder.

MATERIALS & OPERATING CONDITIONS

MATERIAL / COMPOUND	PERIPHERAL SPEED	TEMPERATURE	MAX PRESSURE
PU Polyurethane Techno-polymer 90 ShA	Up to 2.0 m/s	-35 / +100 °C	Standard atm. pressure
NBR Nitrile Rubber 75 ShA	Up to 1.5 m/s	-30 / +110 °C	Standard atm. pressure
FKM Fluoroelastomer / Viton	Up to 3.5 m/s	-20 / +200 °C	Standard atm. pressure

MAIN FEATURES

Compact Design The reduced axial envelope allows for a drastic reduction in the overall size of the pneumatic cylinder head.	Optimized Wiper Lip The sharp geometric profile of the lip maintains constant contact on the rod while minimizing frictional drag.	Pressure Relief (GPK) The special groove instantly vents accumulated trapped air, preventing extrusion from the groove.
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VARIANTS & CONFIGURATIONS

Standard GP Type (PU)	Maximum wear and tear resistance. Provides excellent durability in heavy-duty high-speed automation systems.
Premium GP Type (FKM)	Specifically engineered for high-temperature environments or aggressive chemical applications with synthetic fluids.

COMPLIANCE & STANDARDS

Manufactured in full compliance with international housing tolerances and dimensional specifications of ISO 6195 Type A / DIN 3760 .

MARKET INTERCHANGEABILITY

MANUFACTURER	GPA STANDARD TYPE	GPK ANTI-PRESSURE TYPE
Net Seals	GPA / P9 Wiper Series	GPK Wiper Series
Freudenberg (Simrit)	Profile P9 / PRW1	Profile PU6
Parker Prädifa	Profile A1	Profile A2

MANUFACTURER	GPA STANDARD TYPE	GPK ANTI-PRESSURE TYPE
Dichtomatik	Profile WRAM	Profile WRAM-P
Kastas Sealing Tech.	Profile K09	Profile K12