

## Vacuum receivers, with a new advanced design

With a wide range of granule receivers ranging from 1,5 to 140 dm<sup>3</sup>, Piovan is able to offer the ideal solution for all conveying requirements. Three versions of vacuum receivers are available: granule receiver entirely in stainless steel (C models), version with 3 sight glasses (SR models) and in the configuration with glass section (GR units). Additionally, the range includes specific versions for the treatment of high temperature or abrasive materials. The receivers can work independently or be included in an Easy3System centralised conveying system.

# EASY<sup>3</sup> SYSTEM

### Unique features of the Piovan range

- > **Effective and rapid cleaning operations**, ensured by the new design of the receiver and of the filtering set which permit to easily open the lid without disconnecting the electrical cables and the vacuum pipes.
- > **Perfect sealing**, during the conveying phase, thanks to the new design of the discharge flap, equipped with a special anti-wearing gasket.
- > **Reduced maintenance operations and high reliability of the filter.** The wide filtering surface and the solid steel frame guarantee continuous functioning of the system with no production stop for maintenance operations or replacement of the filter.
- > **Guaranteed functioning of the magnetic sensor**, integrated in the control box and factory pre-set. A led positioned on the electric box allows the operator to monitor when the sensor is activated.
- > **Maximum ease of use**, thanks to an exclusive compact box which includes electrical cables and pneumatic components.
- > **Long period of usage.** The selection of anti-wearing materials and the design solutions adopted guarantee continued functioning, with no need of replacements or extraordinary maintenance operations.
- > **Simplified and rapid installation.** The possibility to adjust at 360° the adaptor ring as well as the material and vacuum lines, not constrained one another, simplifies the installation of the receiver in line with the plant configuration.
- > **Totally safe interventions for the operator:** the voltage of the unit is just of 24 Vdc.





## Simplified and enhanced operator interface



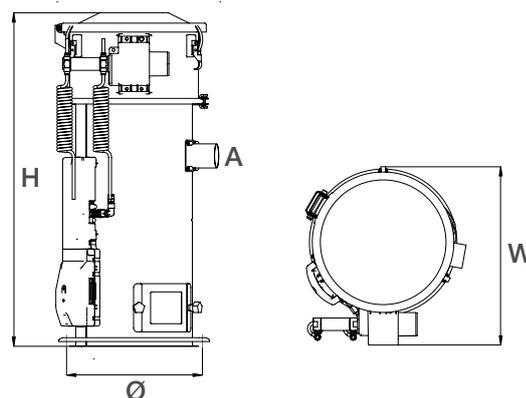
All the models are equipped with the latest evolution of **Piovan microprocessor control Easy3System**, which is compatible with the previous versions. The receivers are immediately ready for operation once connected, with factory pre-set loading cycles for optimal functioning.

The working status and possible alarms are signalled in a user-friendly way with bright green and yellow leds positioned on the upper part of the control box, in a visible position. The electrical box is equipped with safe cable, with anti-tearing connector.

The **keypad** permits to customise the hopper loader's functioning, setting the conveying times, the pause time between the loading cycles, the maximum number of unsuccessful loading cycles, the modes of filter cleaning, and the functioning of the proportional valve (if present). In the case of centralised conveying systems, a **single Easy3System keyboard** permits an advanced management of all the system devices, sending the instructions to the various material conveying units and receiving the functioning data from the system in real time. The Easy3System conveying system permits to progressively adapt the automation level of the production department.

### Options

- Cartridge filter
- Fabric filter
- Keypad
- Acoustic alarm
- Proportional valve
- Valve for NAS systems



TECHNICAL DATA		C2	C3	C5	C10	C15	C30	C50
Capacity	dm <sup>3</sup>	1.5	3	5	10	15	30	50
Compressed air pressure	bar	6 ÷ 8						
Compressed air consumption	NI/cycle	0.5	0.5/6*	0.5/6*	0.5/6*	0.5	0.5	0.5
Dimension W	mm	310	310	380	380	520	520	520
Dimension H	mm	420	495	605	695	730	840	960
Diameter Ø	mm	185	185	280	280	280	280	280
Material inlet A	mm	40	40	40/50	40/50	40/50/60	40/50/60	40/50/60

TECHNICAL DATA		C100	C140	SR10	SR30	SR50	GR10	GR15
Capacity	dm <sup>3</sup>	100	140	10	30	50	10	15
Compressed air pressure	bar	6 ÷ 8						
Compressed air consumption	NI/cycle	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Dimension W	mm	730	730	380	520	520	380	380
Dimension H	mm	1110	1235	695	840	960	695	780
Diameter Ø	mm	450	450	280	280	280	280	280
Material inlet A	mm	50/60	50/60	40/50	40/50/60	40/50/60	40/50	40/50

\* Version with filter cleaning by means of compressed air