

COMPRAG®

positive displacement



#1

COMPRESSED AIR STORAGE
AIR RECEIVERS
RV-series

AIR RECEIVERS RV-series

The dimensions of air receivers are determined according to the compressor's capacity and the compressed air consumption. The air receivers are also used in designing a storage capacity.

The compressed-air consumption can be intermittently covered by the storage capacity. The stored compressed-air capacity is used to offset fluctuations in the system when compressed air is drawn and to cover peak demand.

Features

- Reduced occurrence of regime change reduces wear of the compressor screw block, electric motor and drive system.
- Significant energy savings. The greatest amount of energy is consumed by frequent regime changes of the compressor.
- The large volume of compressed air stored in Air Receivers RV acts as a buffer against pressure fluctuations induced by increasing the number of consumers.
- Separation of condensate. A large surface area of the air receiver helps cool the compressed air and condenses the vapor in the air.

In standard delivery included:

- Pressure gauge
- Safety valve
- Drain ball valve



Air Receivers specification

SV safety valves



Choosing the correct size of air receiver

Size is determined by the capacity of the compressor and the compressed air consumption profile. Comprag recommends dimensioning your air receiver according to the following table:

Compressor power (kW)	Air receiver capacity (Liter)
7,5-11	270
15-22	500
Mehr als 30	900 (one or several)

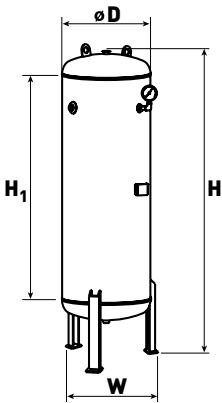
For safe operation of air receivers it is necessary to use an appropriate safety valve which is adapted to the compressor used and the pressure of the air line. Comprag delivers SV safety valves for the entire compressor programme.

General information

Table of models RV-series

Article	Model	Air receiver capacity (Liter)	Max. working pressure (bar)	Safety valve	Screw connection
13100101	RV-270	270	10	SV ½" (3.6 м³/мин)	Rp 1.1/4"
13100102	RV-500	500	10	SV ¾" (12 м³/мин)	Rp 1.1/4"
13100103	RV-900	900	10	SV 1" (16м³/мин)	Rp 2"

Dimensions RV Air receivers



Model	Height H (mm)	Height H1 (mm)	Diameter $\varnothing D$ (mm)	Width W (mm)	Weight (kg)
RV-270	1730	1200	500	540	92
RV-500	2100	1500	600	640	142
RV-900	2200	1400	800	840	190



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