

# Vacuum pump kits for pressure controllers and piston gauges

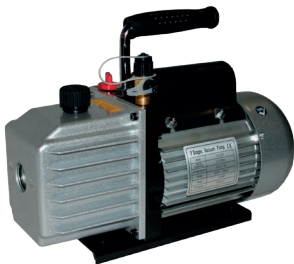
## MNR 190 vacuum pump kits

*PLUG AND PLAY VACUUM KITS: INCLUDING THE VACUUM PUMP AND CONNECTION MATERIALS.*

When you perform absolute or negative gauge calibrations, you need an effective vacuum set up. Our Minerva vacuum pumps provide the required performance you can trust. They come with an easy plug and play kit in which all parts you need for your equipment are supplied, including the connection hose. A perfect match for your controller or piston gauge. For the MNR-190-Refer high capacity vacuum kit, we also supply the vacuum hose with the KF fittings.

**MNR-190 Basic Vacuum Kit:** Suitable for Fluke/DHI/Ruska controllers 2271A, 6270A, 7250, 7250i, 7250xi, 7252, 7252i and PPC4

**MNR-190 Reference Vacuum Kit:** Suitable for Fluke/DHI/Ruska piston gauges 2465A, 2468A, PG7601, PG9602/9607 and Minerva NGP MNR-700-NGP



**MNR 190 Basic Vacuum Kit  
for controllers**



2271A



725x series



6270A



PPC4



**MNR 190 Reference Vacuum Kit  
for piston gauges**



2465A/2468A



PG7601



PG9602/9607

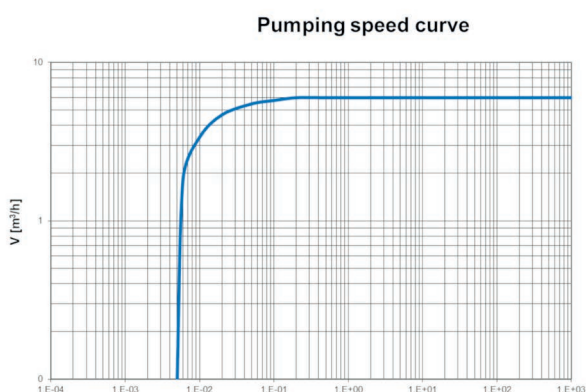


NGP MNR-700-NGP

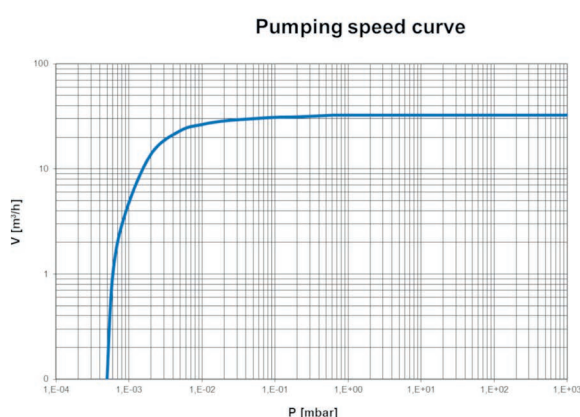
## VERY EFFECTIVE VACUUM PUMPS

The Minerva MNR-190 vacuum pumps work quickly and generate a solid vacuum within a few seconds, see below graph. These graphs show how quickly the pump reaches a certain vacuum in relation to the connected volume.

### MNR 190 Basic Vacuum Kit



### MNR 190 Reference Vacuum Kit



## SPECIFICATIONS

	MNR 190 Basic Vacuum Kit	MNR 190 Reference Vacuum Kit
Nominal displacement	6,0 m <sup>3</sup> /H	32,5 m <sup>3</sup> /H
Ultimate pressure	3x 10 <sup>-3</sup> mbar	4x 10 <sup>-3</sup> mbar
Motor power	250 W	1,1 kW
Oil capacity Ltr	0,35	1,8
Weight	11,2 kg	39 kg
Ambient temperature	10-40 °C	10-40 °C
Connections Inlet	8 mm OD hose	25 KF (DIN)
Dimensions pump LxWxH	335 x 138 x 250 mm	565 x 205 x 296 mm
Supplied with:	3-way valve, smoke eliminator and interconnection kit	Exhaust filter, power failure pumping valve, connecting hose
Ordering code	MNR-190-Bas Vac Kit	MNR-190-Refer Vac Kit

your distributor:



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