



PORTABLE GEARBOXES FOR UNDERGROUND VALVES





RPM portable valve gearboxes have been specifically conceived to facilitate and speed up all the interventions on underground valves with no reduction ratio and usually moved through T-Key, or valves with Nm requirements too high if compared to the manual work of one single operator.

Completely portable thanks to their lightweight, RPM tools are easy to mount directly on site, allowing operators to open or close an underground valve in a comfortable horizontal position. The fixing system of the pedestal prevents accidental movements of the device while operating; its gearbox reducer, provided with telescopic shaft and universal joints, fits with any depth of the valve.

Every RPM unit includes the basic pedestal and a handy plastic case that contains all the remaining components. A series of optional kits like torque limiter, digital counter, extensions for shaft and pedestal, bushings and adaptors, are available to allow usage on underground valves of all types and sizes.

Available in RPM100N and RPM300N versions, these devices achieve their maximum performances when coupled with an APB/APS portable actuator, allowing one single operator to move valves up to 300Nm required, without any physical effort and with a considerable saving of time.

RPM100N Portable Valve Gearbox ratio 1:1

Compact, safe and lightweight, Portable Valve Gearbox RPM100N is composed of a steel pedestal adaptable to any maneuvering hole, a gearbox reducer in aluminum alloy with 1:1 ratio and an adjustable telescopic shaft with universal joints. This device, available with several accessories, can be easily transported and mounted by a single operator in a few minutes directly on the intervention site, allowing to autonomously move underground valves up to 100Nm required.

* Torque limiter and counter on demand



TECHNICAL DATA

Ratio	1 : 1
Max output torque	100 Nm
Max input RPM	120 rpm
Min. depth standard config.	0 mm
Max depth standard config.	-250 mm
Min. diameter for installation	80 mm
Max diameter for installation	500 mm
Max offset	45°
Input connection	24x24 mm
Output connection	24x24 mm
Setting range of torque limiter*	30 - 75 Nm
Rev. Counter*	LCD
Dimensions	800x600x800H mm
Basic pedestal weight	11 Kg
Gearbox set weight	10 Kg

RPM300N Portable Valve Gearbox ratio 4,5:1

Easy to install on all kinds of sites due to the particular shape of its high-resistance pedestal, RPM300N mounts a gearbox reducer with 4,5:1 ratio that can be provided along with digital counter and adjustable torque limiter. If used coupled with an APB/APS portable actuator, it ensures high performances in opening and closing underground valves up to 300Nm required, in less time and without any physical effort if compared to manual interventions.

* Torque limiter and counter on demand



TECHNICAL DATA

Ratio	4,5 : 1
Max output torque	300 Nm
Max input RPM	120 rpm
Min. depth standard config.	0 mm
Max depth standard config.	-250 mm
Min. diameter for installation	80 mm
Max. diameter for installation	500 mm
Max offset	45°
Input connection	24x24 mm
Output connection	24x24 mm
Setting range of torque limiter*	135 - 335 Nm
Rev. Counter*	LCD
Dimensions	800x600x800H mm
Basic pedestal weight	11 Kg
Gearbox set weight	14 Kg



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Our portable valve gearbox systems are designed and approved for responsible applications on underground valves. Never operate with these devices unless they are secured and locked to intervention hole. F.lli Scapin does not approve or authorize their usage for applications different from those described and waive any and all responsibility for any improper use of these products.