KRS

Rainwater management and distribution

KRS with AIR GAP BREAK TANK CAT 5 with OVERFLOW

When a rainwater tank is installed, a pump system is recommended to supply water to domestic utilities such as toilets, washing machines, outdoor taps, and small irrigation systems. During periods without rainfall, a connection to the public water supply is required to ensure continuity of service.

The KRS system provides an immediate reserve and uninterrupted operation by automatically replenishing the system from the mains water supply. In compliance with European regulations, it prevents any backflow of rainwater into the public network, eliminating the risk of contamination. **FIG. A**

The system includes a visible break tank (15 L), a float-controlled valve, and an additional motorized valve, ensuring complete physical separation between rainwater and mains water. It also protects the domestic system by isolating it from water hammer generated by the external supply.

KRS system automatically controls the minimum rainwater level using dedicated probes that prevent the pump from running dry. When the minimum level is reached, a motorized valve refills the tank from the mains water supply.

The pump operates fully automatically, includes an anti-lock function, and requires simple initial priming. System operation can be monitored via the central control panel **(FIG. B)**. This solution ensures continuous water availability, quiet operation, and eliminates the need for additional tanks or external enclosures.

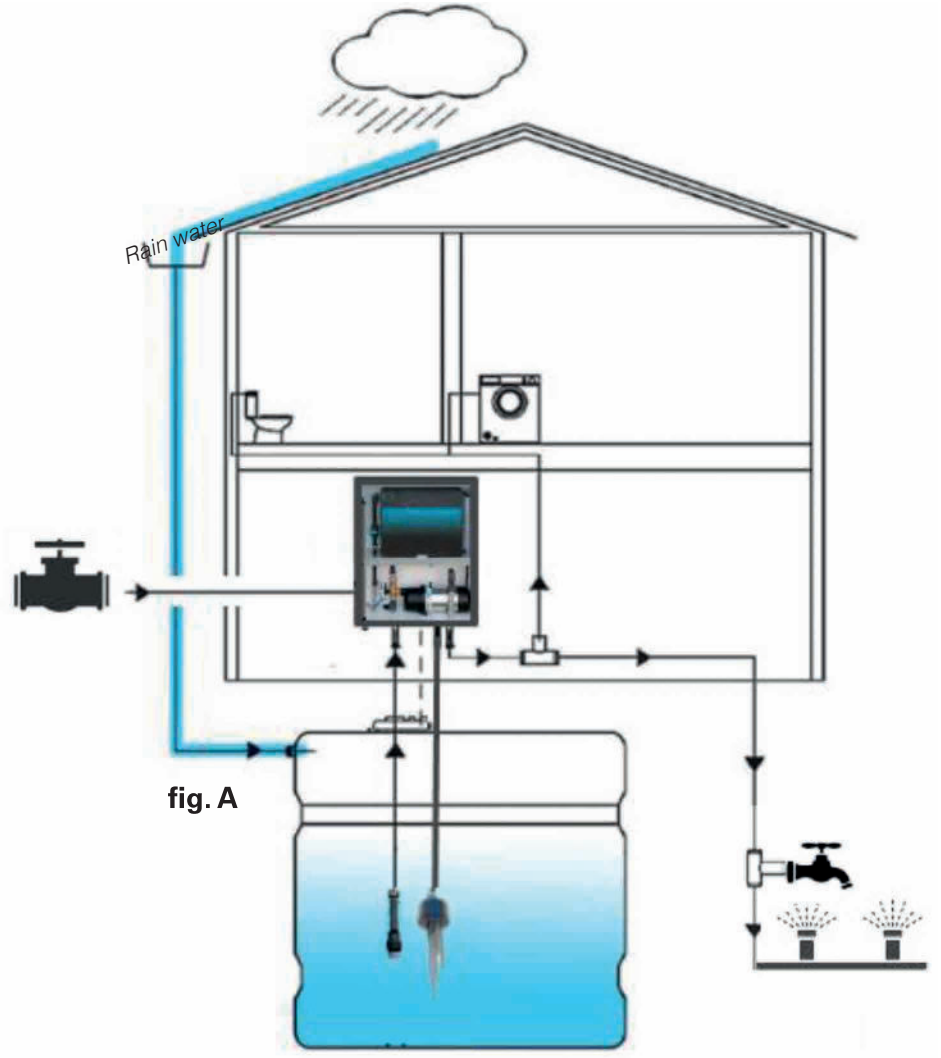


fig. A



The suction kit 01IXV820P is already complete with 20m of electric cable, probes with quick connector for direct insertion into the control panel. Additionally, the kit comes with a stainless steel filter and a check valve with a pre-set spring, which facilitates the pump's suction activity. The hydraulic connection of the kit to the suction pipe (to be provided by the customer) is made with a 1" female connector. This product ensures quick installation and also eliminates the inconvenient of adjusting water recovery levels.

KRS – CAT 5 with AIR GAP BREAK TANK with OVERFLOW



fig. B

Customizable under private label

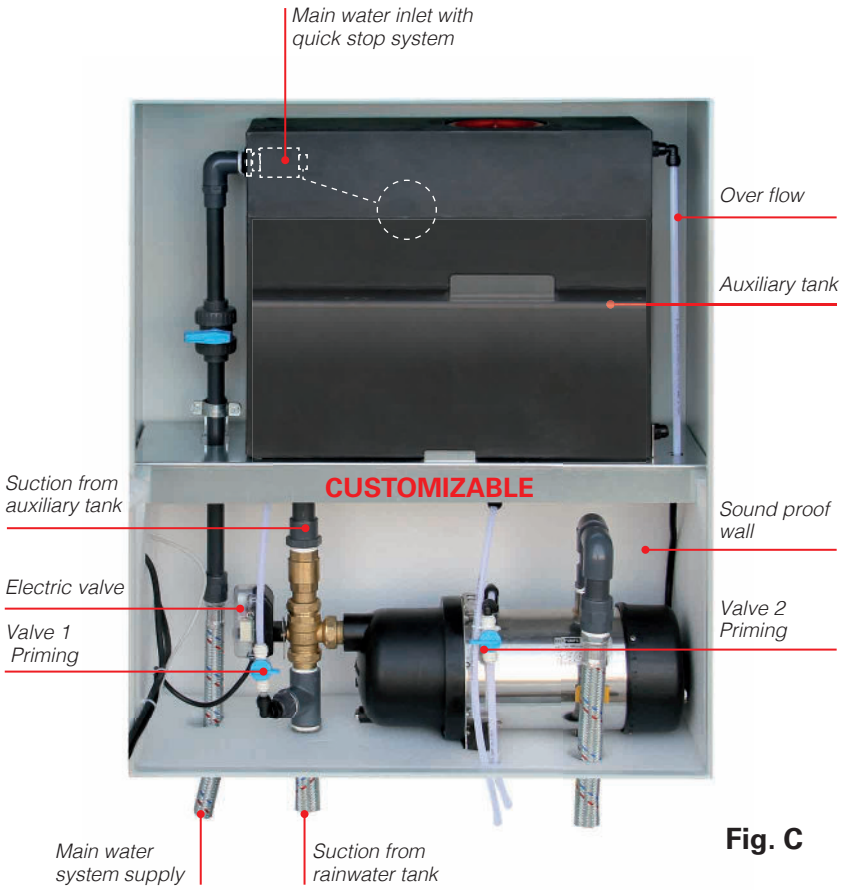


Fig. C

Code	Description	P2 Nominal Hp	H max (m)	Q max (lt/m)
KRSJE12	KR with automatic self-priming pump	1,2	60	60