

Technical Data Sheet COMPLETE KIT 5V/ COMPLETE 5V PRO

1. Overview

COMPLETE KIT 5V:

The **COMPLETE KIT 5V** is a comprehensive pool water flow control system recommended for Efficpool regenerative filters that work with perlite as a filter medium.

It is made up of the sum of a **REGENERATION KIT + A PRECOAT KIT**, EACH WITH DIFFERENTIATED FUNCTIONS:

- **REGENERATION KIT:**
 - Its objective is to allow the recirculation of pool water, isolating the filter and thus allowing the regeneration of the perlite in the filter.
 - Three solenoid valves (V1, V2 and V3) are required for operation, **which must be activated by pneumatic operation (see Figures 1 and 2)**. The V2 solenoid valve allows the recirculation of pool water when V1 and V3 are closed.
 - For this operation, it is necessary for the **PRECAPA KIT** to keep the V4 valve closed and the V5 open.
- **PRE-COAT KIT:**
 - Its objective is to prevent the finest particles of perlite from reaching the pool shell before the pre-layer has formed. It can be used with any filter media that has very fine particles.
 - **Its function** is to reposition the pre-layer after each stoppage, cleaning, regeneration, change of perlite or prolonged interruption of the water flow, to prevent leakage of perlite into the pool.
 - Two solenoid valves (V4 and V5) are required for operation, **which must be activated by pneumatic operation (see Figures 1 and 2)**. The V4 solenoid valve allows feedback from the recirculation pump and the V5 solenoid valve is located on the drive to the pool to close the passage when the bypass is activated.

The **COMPLETE KIT 5V** can be controlled via our control cabinets:

- STANDARD CONTROL.
- TOUCH CONTROL.
- PRO CONTROL.
- PRO / VDF CONTROL.

The control cabinets include programming for operation in automatic and/or manual mode.

5V PRO COMPLETE KIT:

We can convert the 5V COMPLETE KIT into a 5V PRO COMPLETE KIT.

The **5V PRO COMPLETE KIT** system is based on adding to a **5V COMPLETE KIT**:

- **Two pressure sensors** ; one in the filter water inlet tube (SPE) and one in the filter water outlet pipe (SPS).
- A recirculating turbine (TR) to measure the recirculation flow rate (**see Figures 1 and 2**).
- Of course, it is also controlled by our control cabinets.

2. Models

Model Table

CODE	REF.	DESCRIPTION - COMPLETE BYPASS KIT 5V
WPP-K5V-0063	452401	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D63
WPP-K5V-0063L	452402	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D63 - MODELS L
WPP-K5V-0063XL	452403	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D63 - XL MODELS
WPP-K5V-0075	452404	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D75
WPP-K5V-0075L	452405	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D75 - MODELS L
WPP-K5V-0075XL	452406	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D75 - XL MODELS
WPP-K5V-0090	452407	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D90
WPP-K5V-0090L	452408	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D90 - MODELS L
WPP-K5V-0090XL	452409	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D90 - XL MODELS
WPP-K5V-0110	452410	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D110
WPP-K5V-0110L	452411	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D110 - MODELS L
WPP-K5V-0110XL	452412	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D110 - XL MODELS
WPP-K5V-0125	452413	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D125
WPP-K5V-0125L	452414	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D125 - MODELS L
WPP-K5V-0125XL	452415	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D125 - XL MODELS
WPP-K5V-0160	452416	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D160
WPP-K5V-0160L	452417	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D160 - MODELS L
WPP-K5V-0160XL	452418	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D160 - XL MODELS
WPP-K5V-0200	452419	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D200
WPP-K5V-0200L	452420	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D200 - MODELS L
WPP-K5V-0200XL	452421	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D200 - XL MODELS
WPP-K5V-0250	452422	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D250
WPP-K5V-0250L	452423	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D250 - MODELS L
WPP-K5V-0250XL	452424	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D250 - XL MODELS
WPP-K5V-0315	452425	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D315
WPP-K5V-0315L	452426	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D315 - MODELS L
WPP-K5V-0315XL	452427	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D315 - XL MODELS
WPP-K5V-0400	452428	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D400
WPP-K5V-0400L	452429	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D400 - MODELS L
WPP-K5V-0400XL	452430	COMPLETE BYPASS KIT 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D400 - XL MODELS

CODE	REF.	DESCRIPTION - COMPLETE BYPASS PRO 5V KIT
WPP-K5V-1063	452501	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D63
WPP-K5V-1063L	452502	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D63 - MODELS L
WPP-K5V-1063XL	452503	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D63 - XL MODELS

WPP-K5V-1075	452504	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D75
WPP-K5V-1075L	452505	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D75 - MODELS L
WPP-K5V-1075XL	452506	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D75 - XL MODELS
WPP-K5V-1090	452507	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D90
WPP-K5V-1090L	452508	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D90 - MODELS L
WPP-K5V-1090XL	452509	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D90 - XL MODELS
WPP-K5V-1110	452510	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D110
WPP-K5V-1110L	452511	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D110 - MODELS L
WPP-K5V-110XL	452512	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D110 - XL MODELS
WPP-K5V-1125	452513	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D125
WPP-K5V-1125L	452514	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D125 - MODELS L
WPP-K5V-1125XL	452515	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D125 - XL MODELS
WPP-K5V-1160	452516	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D160
WPP-K5V-1160L	452517	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D160 - MODELS L
WPP-K5V-1160XL	452518	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D160 - XL MODELS
WPP-K5V-1200	452519	COMPLETE BYPASS PRO 5V KIT (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D200
WPP-K5V-1200L	452520	COMPLETE BYPASS PRO 5V KIT (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D200 - MODELS L
WPP-K5V-1200XL	452521	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D200 - XL MODELS
WPP-K5V-1250	452522	COMPLETE BYPASS PRO 5V KIT (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D250
WPP-K5V-1250L	452523	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D250 - MODELS L
WPP-K5V-1250XL	452524	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D250 - XL MODELS
WPP-K5V-1315	452525	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D315
WPP-K5V-1315L	452526	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D315 - MODELS L
WPP-K5V-1315XL	452527	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D315 - XL MODELS
WPP-K5V-1400	452528	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D400
WPP-K5V-1400L	452529	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D400 - L MODELS
WPP-K5V-1400XL	452530	COMPLETE BYPASS KIT PRO 5V (AUTOMATIC BYPASS KIT + PRELAYER BYPASS KIT) D400 - XL MODELS

Table 1. Models BYPASS KIT PRELAYER / PRECOAT PRO

3. Technical Features

Common features:

- Single acting pneumatic butterfly valves in PVC-U.
- Flange sleeve and movable flange.
- The Ø of tubes must be indicated.
- Pressure Sensors
- Flow sensors.
 - The S.F.P. (Pool Flow Sensor) sensor is installed in the water supply to the pool.
 - The S.F.B. (Bypass Flow Sensor) sensor is installed in the bypass that feeds back the recirculation pump.
 - Easy installation:
 - It is integrated into the hydraulic circuit of the pool by means of a collar.

- **The direction of water circulation must be taken into account** and the detector must be placed in the correct direction.
- Material included in each flow sensor:
 - 1 x 3/4" PVC Plug
 - 1 electronic circuit
 - 1 x bipolar cable
 - 1 plastic shovel
 - 1 x Protective Bottle

Additional features of the 5V PRO COMPLETE KIT:

- MBS 1700 Type Inlet Pressure (SPE) and Outlet Pressure (SPS) Sensors with Fully Digital Compensation
- Insertion turbine for measuring the recirculation flow + collar (except in Ø400 tubes which must be electromagnetic)

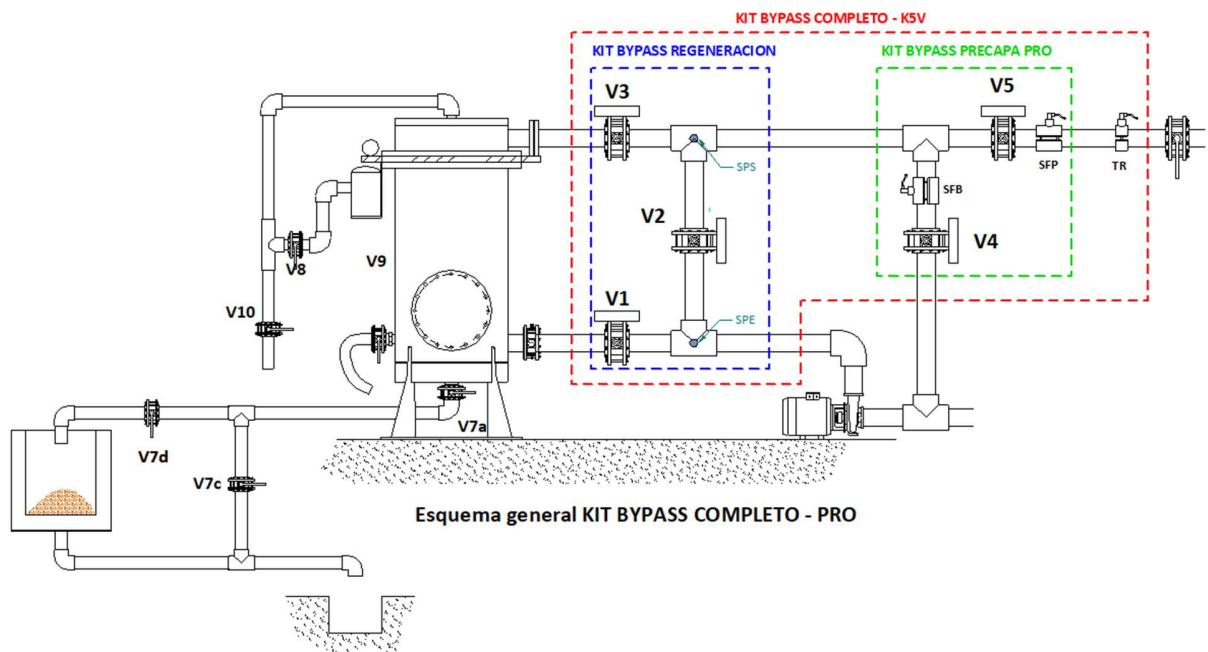


Figure 1.

Example of a situation of a COMPLETE 5VPRO KIT in a complete installation.
THE COMPLETE 5V KIT would have the same position excluding the SPE-SPS pressure sensors and the TR turbine.

4. Composition of the 5V COMPLETE KIT / 5V PRO COMPLETE KIT.

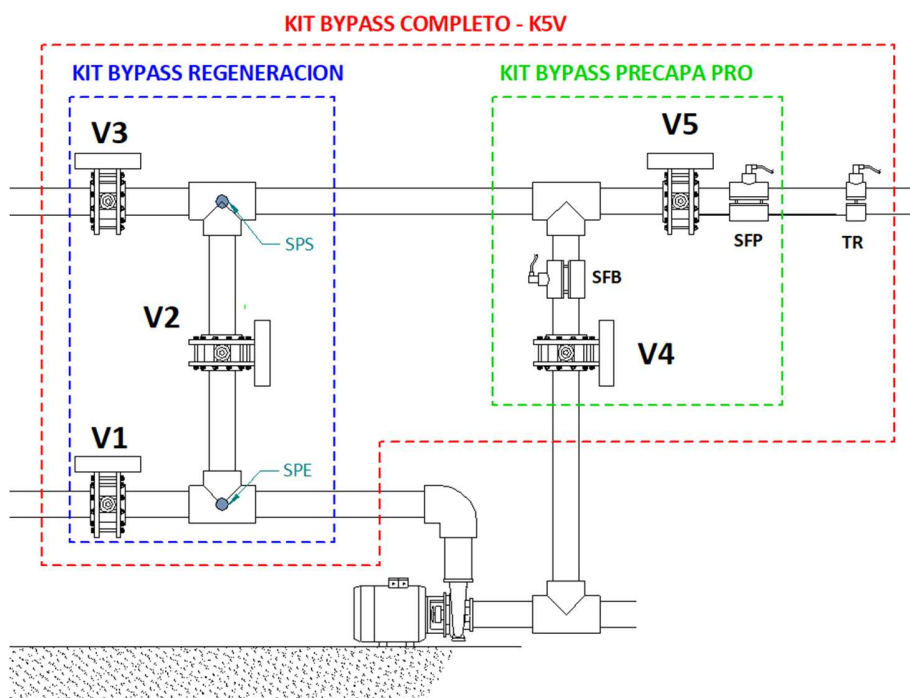


Figure 2. Composition COMPLETE BYPASS KIT 5V PRO

Element	Description
V1	Water inlet valve to filter. REGENERATION
V2	Bypass valve. REGENERATION
V3	Water outlet valve filter. REGENERATION
V4	Suction valve. PRE-COAT
V5	Supply valve. PRE-COAT
SPE (*)	Filter inlet pressure sensor.
SPS (*)	Filter outlet pressure sensor.
TR(*)	Recirculation turbine. Flow meter.
SFP	Pool flow sensor
SFB	Flow-to-pump sensor
(*)	Not included in the 5V COMPLETE KIT

Table 2. Elements COMPLETE KIT 5V and COMPLETE KIT 5V PRO

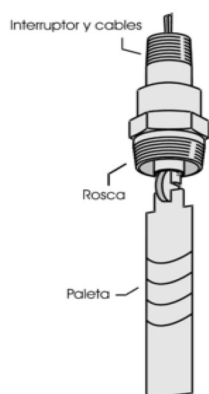


Figure 3. Paddle flow sensors S.F.P and S.F.B.



Figure 4. Pressure sensors.



Figure 5. Insertion turbine, Flow meter.

To request additional information and/or documentation, you can contact:

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Note: The information provided in this data sheet is referential, corresponds to the current characteristics of the product and may change without notice. The manufacturer is not responsible for misuse or errors. Please refer to the updated tab before use.