

Technical Data KIT BYPASS PRELAYER / PRELAYER PRO

1. Overview

PRELAYER BYPASS KIT:

- The pre-layer bypass is a system recommended for Efficpool regenerative filters that work with perlite as a filter medium, with the aim of preventing the finest particles of perlite from reaching the pool vessel 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.
- **The operation** consists of recirculating the water between the filter and the pump to promote the correct formation of the perlite pre-layer around the candela. This process is activated when the flow of water into the pool is interrupted for a configurable time of 2 minutes and maintains recirculation for 30 seconds, also configurable, until the system returns to filtration service.
- Two solenoid valves are required for operation, **which must be pneumatically operated (see Figure 1, 2.1 and 2.2).**
- 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 pre-layer bypass can be controlled by 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.

PRO PRELAYER BYPASS KIT:

We can convert the pre-layer bypass kit into a PRO PRE-LAYER BYPASS KIT.

- **The system is based on adding** two paddle flow sensors (S.F.P. and S.F.B., **see Figure 2.2**) to a pre-layer bypass kit, and they are also controlled by our control cabinets.
 - **The S.F.P.** (Pool Flow Sensor), is installed in the water supply to the pool.
 - **The S.F.B.** (Bypass Flow Sensor), is installed in the bypass that feeds back the recirculation pump.

2. Models

Model Table

CODE	DESCRIPTION - PRE-LAYER BYPASS KIT - PNEUMATIC
WPP-KITBYP-1063	D63 PRE-LAYER BYPASS KIT
WPP-KITBYP-1063L	D63 PRELAYER BYPASS KIT - L MODELS
WPP-KITBYP-1063XL	D63 PRELAYER BYPASS KIT - XL MODELS
WPP-KITBYP-1075	D75 PRELAYER BYPASS KIT
WPP-KITBYP-1075L	D75 PRELAYER BYPASS KIT - L MODELS
WPP-KITBYP-1075XL	D75 PRELAYER BYPASS KIT - XL MODELS
WPP-KITBYP-1090	D90 PRELAYER BYPASS KIT
WPP-KITBYP-1090L	D90 PRELAYER BYPASS KIT - L MODELS
WPP-KITBYP-1090XL	D90 PRE-LAYER BYPASS KIT - XL MODELS
WPP-KITBYP-1110	D110 PRELAYER BYPASS KIT
WPP-KITBYP-1110L	D110 PRELAYER BYPASS KIT - L MODELS
WPP-KITBYP-110XL	D110 PRELAYER BYPASS KIT - XL MODELS
WPP-KITBYP-1125	D125 PRE-LAYER BYPASS KIT
WPP-KITBYP-1125L	D125 PRELAYER BYPASS KIT - L MODELS
WPP-KITBYP-1125XL	D125 PRELAYER BYPASS KIT - XL MODELS
WPP-KITBYP-1160	D160 PRELAYER BYPASS KIT
WPP-KITBYP-1160L	D160 PRELAYER BYPASS KIT - L MODELS
WPP-KITBYP-1160XL	D160 PRELAYER BYPASS KIT - XL MODELS
WPP-KITBYP-1200	D200 PRE-LAYER BYPASS KIT
WPP-KITBYP-1200L	D200 PRELAYER BYPASS KIT - L MODELS
WPP-KITBYP-1200XL	D200 PRE-LAYER BYPASS KIT - XL MODELS
WPP-KITBYP-1250	D250 PRE-LAYER BYPASS KIT
WPP-KITBYP-1250L	D250 PRELAYER BYPASS KIT - L MODELS
WPP-KITBYP-1250XL	D250 PRELAYER BYPASS KIT - XL MODELS
WPP-KITBYP-1315	D315 PRELAYER BYPASS KIT
WPP-KITBYP-1315L	D315 PRELAYER BYPASS KIT - L MODELS
WPP-KITBYP-1315XL	D315 PRELAYER BYPASS KIT - XL MODELS
WPP-KITBYP-1400	D400 PRELAYER BYPASS KIT
WPP-KITBYP-1400L	D400 PRELAYER BYPASS KIT - L MODELS
WPP-KITBYP-1400XL	D400 PRELAYER BYPASS KIT - XL MODELS
The reference WPP-KITBYP-1XXX will be changed to WPP-KITBYP-0XXX if you do not want a PRO PRELAYER BYPASS KIT	

Table 1. Models BYPASS KIT PRELAYER / PRECOAT PRO

3. Technical Features

Common features of all models.

- Single acting pneumatic butterfly valves in PVC-U.
- Flange sleeve and movable flange.
- The $\varnothing$ of tubes must be indicated.

If you wish to upgrade to PRO PRELAYER BYPASS KIT:

- It must be indicated in order to deliver the appropriate flow sensors.
- 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

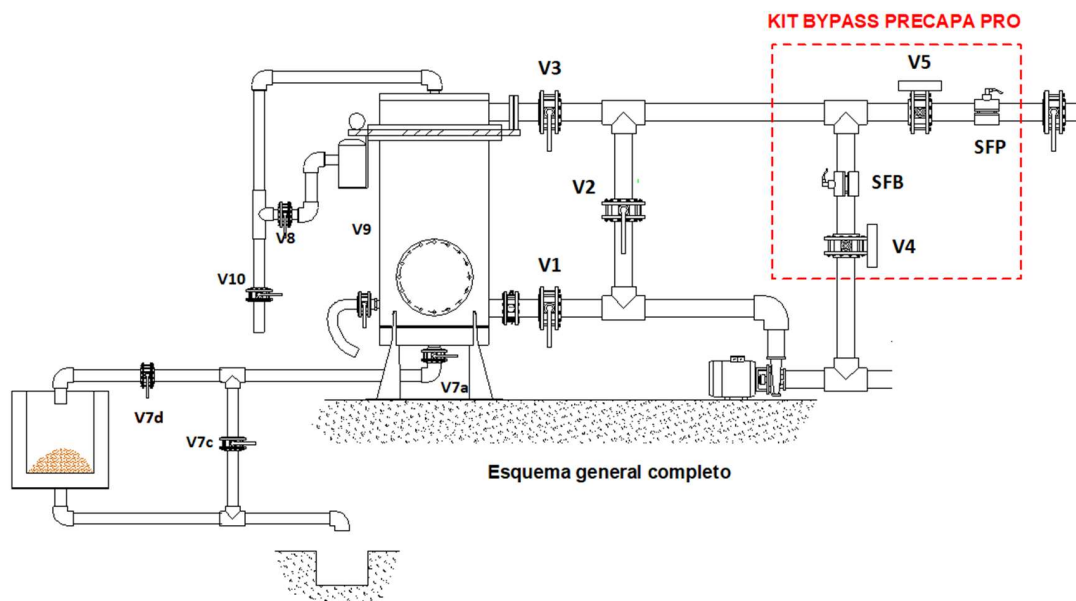


Figure 1.

Example of a situation of a PRO PRELAYER BYPASS KIT in a complete installation. THE PRE-LAYER BYPASS KIT would have the same position excluding the SFP and SFB sensors.

4. Composition of the BYPASS KIT PRELAYER / PRELAYER PRO,

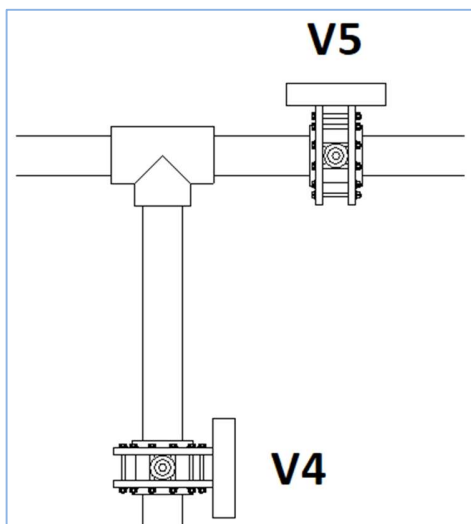


Figure 2.1. Elements PRE-LAYER BYPASS KIT

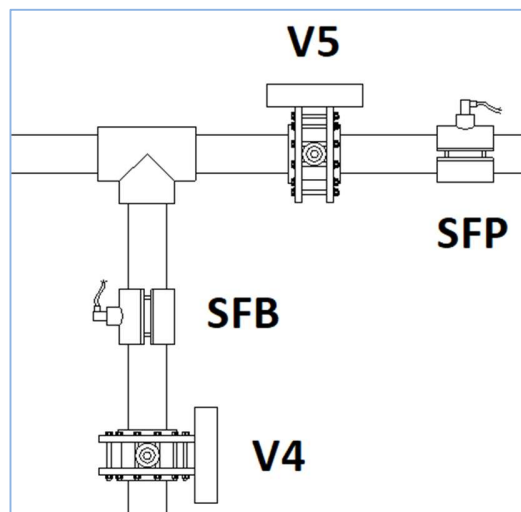


Figure 2.2. elements BYPASS KIT PRELAYER PRO

Element	Description
V4	Suction valve
V5	Drive valve
SFP (*)	Pool flow sensor
SFB (*)	Flow-to-pump sensor
(*)	Only in PRO PRELAYER BYPASS KIT

Table 2. Elements PRE-LAYER BYPASS KIT and PRO PRE-LAYER BYPASS KIT

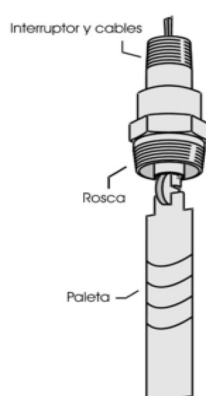


Figure 3. Paddle flow sensors S.F.P and S.F.B.

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

info@efficpool.com

www.efficpool.com

Calle d'Ignasi Iglesias, 149, Pol. Ind. Agro-Reus

43206 REUS (TARRAGONA) SPAIN

Tel +34 931 700 052 | +34 977 333 982

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.