

# In-line filling ramps

## Series “RL”

**A MODULAR SOLUTION TO RESOLVE LOGISTIC PROBLEMS CONNECTED TO THE REFILLING OF SINGLE CYLINDERS**



The ramps are standard modules of 4 or 5 cylinder places. Two models are available: a main and a secondary model. The main module is equipped with Shut-off valves each cylinder place, inlet valve DN 10, control pressure gauge and drain valve. The secondary module is equipped with shut-off valves only on each cylinder place. By adding a variable number of secondary modules to a main module, you can realize in-line filling stations up to max. 16 places.

The “In-line ramps” of “RL” series are the ideal solution whenever it is necessary to fill single cylinders for logistic or operational reasons.

These ramps, being modular, permit to rationalize and solve through a wide range of solutions any situation connected with refilling of single cylinders.

The ramps consist of a supporting frame made of stainless steel sheet. The main manifold and the various components are connected to the frame.

### TECHNICAL FEATURES

- > **Cylinder places: modular from 4 to 16**
- > **Supporting structure made of stainless steel sheet**
- > **Main shut-off valve: DN 10**
- > **Shut-off valve each cylinder place**
- > **Control manometer Ø 100 mm**
- > **Main manifold made of Cu/Brass 58, AISI304L or Monel 400**
- > **Main components are connected by fittings that exploit the “Soft-Sealing” system with EPDM O-ring or Viton O-ring according to the model. Other elastomeric materials are available upon request**
- > **Ramps are preset for connecting the filling hoses series “FH” and the cylinder filling connections series “RLC” and “RSC” (see relevant cards)**
- > **Ramps are preset for connection to the supply and drain fittings of the “FPC” series**



Use of the table:

after selecting the manifold material, choose the various options in view of the installation requirements. Then send the table to the attention of our technical/commercial department. We will be glad to submit you an offer and send you the literature relevant to the model of your choice.

OPTIONS	MANIFOLD COPPER/BRASS	MANIFOLD STAINLESS STEEL	MANIFOLD MONEL 400
4 OUTLETS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 OUTLETS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MAIN MODULE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SECONDARY MODULE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VITON O-RING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EPDM O-RING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
250 bar OPERATING PRESSURE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
350 bar OPERATING PRESSURE	-	<input type="checkbox"/>	<input type="checkbox"/>

## CYLINDER RACKS WITH SAFETY CHAIN

MODEL	CYLINDER PLACES	CODE
R4BB	4	RGFN310
R5BB	5	RGFN315

## CONNECTION FITTING BETWEEN MAIN AND SECONDARY MODULES

TYPE	CODE
CONNECTION FITTING MADE OF CU/BRASS	AGFN 015
CONNECTION FITTING MADE OF STAINLESS STEEL	AGFN 016
CONNECTION FITTING MADE OF MONEL 400	AGFN 017

## INLET AND DRAIN CONNECTIONS

TYPE	NOTE	CODE
INLET CONNECTION WITH POCKET TO WELD FOR COPPER TUBE Ø 22 mm	ONLY FOR 250 bar	FPC34-R22
INLET CONNECTION WITH POCKET TO WELD FOR COPPER TUBE Ø 30 mm	ONLY FOR 250 bar	FPC34-R30
INLET CONNECTION WITH QUEUE TO WELD FOR STAINLESS STEEL TUBE Ø 1/2" SCH80	FOR 250 AND 350 bar	FPC34-I812
INLET CONNECTION WITH QUEUE TO WELD FOR MONEL TUBE Ø 1/2" SCH80	FOR 250 AND 350 bar	FPC34-M812
CONNECTION 21.7 FOR DRAIN VALVE WITH POCKET TO BE WELDED FOR COPPER TUBE Ø 22 mm	ONLY FOR DRAIN LINE	FPC21-R22
CONNECTION 21.7 FOR DRAIN VALVE WITH QUEUE TO WELD FOR STAINLESS STEEL TUBE Ø 1/2" SCH10	ONLY FOR DRAIN LINE	FPC21-I112

NOTE: upon request our technical department can evaluate the possibility of producing models in other materials.

