

Filling ramps

For cylinders in pallets 'RB' series

**SIMPLE USE AND RELIABILITY OF THE PRODUCT
IN FILLING GAS CYLINDERS**



The distribution manifolds (main component of the filling ramp) have been designed in such a way as to optimize the ramp performance by giving priority to the following main factors:

- > **Use of a large diameter tube**
to produce faster and higher vacuum
- > **Balanced fluid distribution design**
to obtain, in case of gas mixture refilling, the same composition in all the cylinders contained in the pallet

The modern gas cylinders handling procedures require that, in order to combine economy, speed and safety, the filling systems should provide the opportunity of refilling a certain quantity of cylinders (in pallets) at the same time. Vanzetti Engineering offers, with its range of ramps series 'RB', a full choice able to comply with the most diversified requirements in view of operating pressure, materials and configuration of pallet with versions allowing to fill from 9 to as many as 20 cylinders at the same time.

TECHNICAL FEATURES:

- > **AISI 304 stainless steel structure**
- > **Control handles with compensation pistons**
- > **Indicator pressure gauge Ø 100mm**
- > **Ramp inlet connection W21.7mm x 1.814" M sv 60°**
- > **Swivel connections to prevent flexible hose twisting**

PERFORMANCE:

- > **The different ramp models can fill 9, 12, 16 or 20 cylinders**
- > **Operating pressure 250 or 350bar**



The supporting structure of the RAMPS is manufactured entirely of stainless steel and a special parallelogram designed system with balancing pistons is provided for movement with minimum effort.

The RAMPS are preset for connecting the supply and filling hoses of the 'FH' series and the cylinder filling connections of the 'RSC' series, illustrated in the relevant product bulletins.

The RAMPS are available in two standard versions equipped with an EPDM or Viton O-ring, while other sealing materials can be used if requested by the customer.

Please select the ramp model most suitable for your requirements by using the following table ⁽¹⁾:

OPTIONS	COPPER/BRASS MANIFOLD	STAINLESS STEEL MANIFOLD	MONEL MANIFOLD
9 OUTLETS	-	<input type="checkbox"/>	-
12 OUTLETS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16 OUTLETS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20 OUTLETS	<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"/>
250bar OPERATING PRESSURE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
350bar OPERATING PRESSURE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RAMP SHUT-OFF VALVE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

⁽¹⁾ Use of the table:

after choosing the manifold material, select the various options in view of your installation requirements. Then send the table to our technical/commercial department. They will send you the offer and the literature relevant to the model of your choice.

Upon request our commercial/technical department can evaluate the possibility of producing models assembled with other materials.

