

# SPRAY NOZZLES FOR INDUSTRIAL APPLICATIONS



**QUICK-FIT  
SPRAY NOZZLES  
AND ACCESSORIES**

# QUICK-FIT SPRAY NOZZLES AND ACCESSORIES

PNR Italia has been manufacturing and marketing **quick-fit spray nozzles, swivel ball nozzles, nipples, locknuts and pipe clamps** for over forty years. Many industrial facilities require quick-fit spray nozzles and accessories, including car wash plants, painting, and phosphating plants, plants for washing food machinery, rinsing containers, and many others. In general, this type of product is used in industrial contexts that **require quick assembly and adjustment of the orientation and spray cover** of the nozzles.

All our products are adaptable to the most varied needs, combining a quick and easy assembly and disassembly with the possibility of directing the nozzle spray in every direction.

The design of the nozzles and quick coupling accessories **allow frequent controls and cleaning operations of the nozzles** to keep the system in perfect working conditions.

Quick-fit spray nozzles and accessories are assembled starting from the pipe clamps directly by drilling a hole in the manifold. Depending on the application requirements, after the clamps, threaded or quick-connect balls, quick-connect nozzles, and locknuts are mounted.

## PIPE CLAMPS

PNR Italia's pipe clamps are articulated, cam, double or single spring and can accommodate all types of nozzles with quick coupling, even disc.

They guarantee absolute tightness and safety; to mount the pipe clamps, drill a hole in the manifold, insert the pipe and fix it. Thanks to the material of which they are composed, the pipe ties are corrosion-resistant and extremely durable.



## THREADED OR QUICK-FIT BALL NOZZLES

These balls can be mounted between the clamp and the nozzle, allowing it to swivel. They are available with threaded, quick, and blind hole coupling - specially designed for processes that require changes and breaks during spraying.



## SWIVEL BALL NOZZLES

HG and RG flat jet and hollow cone ball nozzles can be used in a wide variety of applications.

They allow an easy and fast adjustment of the jet orientation and can be mounted with quick coupling. All available nozzle capacities are identified by a different color.



## QUICK-FIT NOZZLES

Flat fan jet nozzles with quick coupling are extremely easy to mount and the special seal avoids any risk of leakage. All available nozzle capacities are identified by a different color.



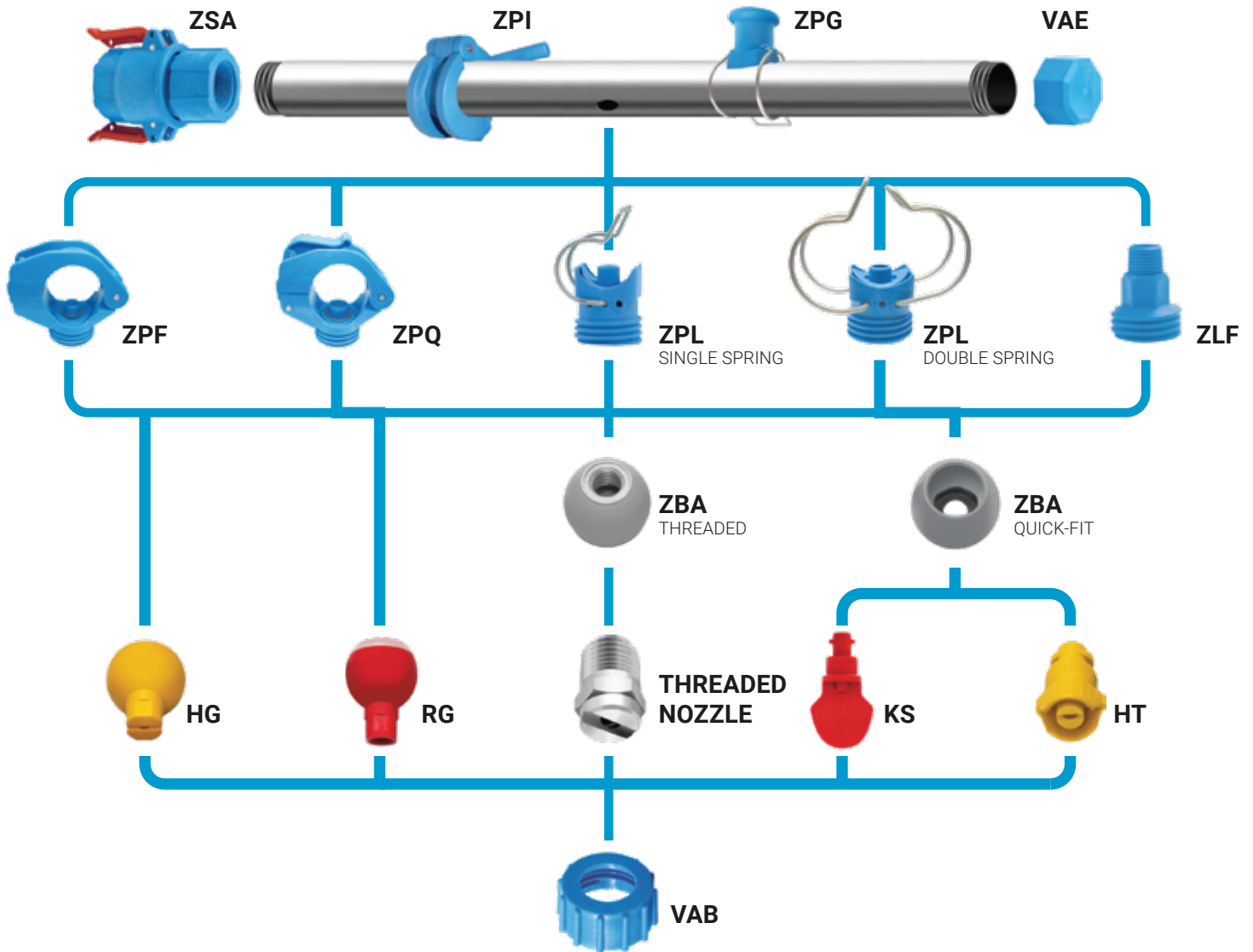
## NIPPLES AND LOCKNUTS

A range of nipples and locknuts for the perfect fitting of the nozzles, in different quality materials and built with tight tolerances to ensure the precise and correct alignment of the castings in your spray system.



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## ASSEMBLY SCHEME



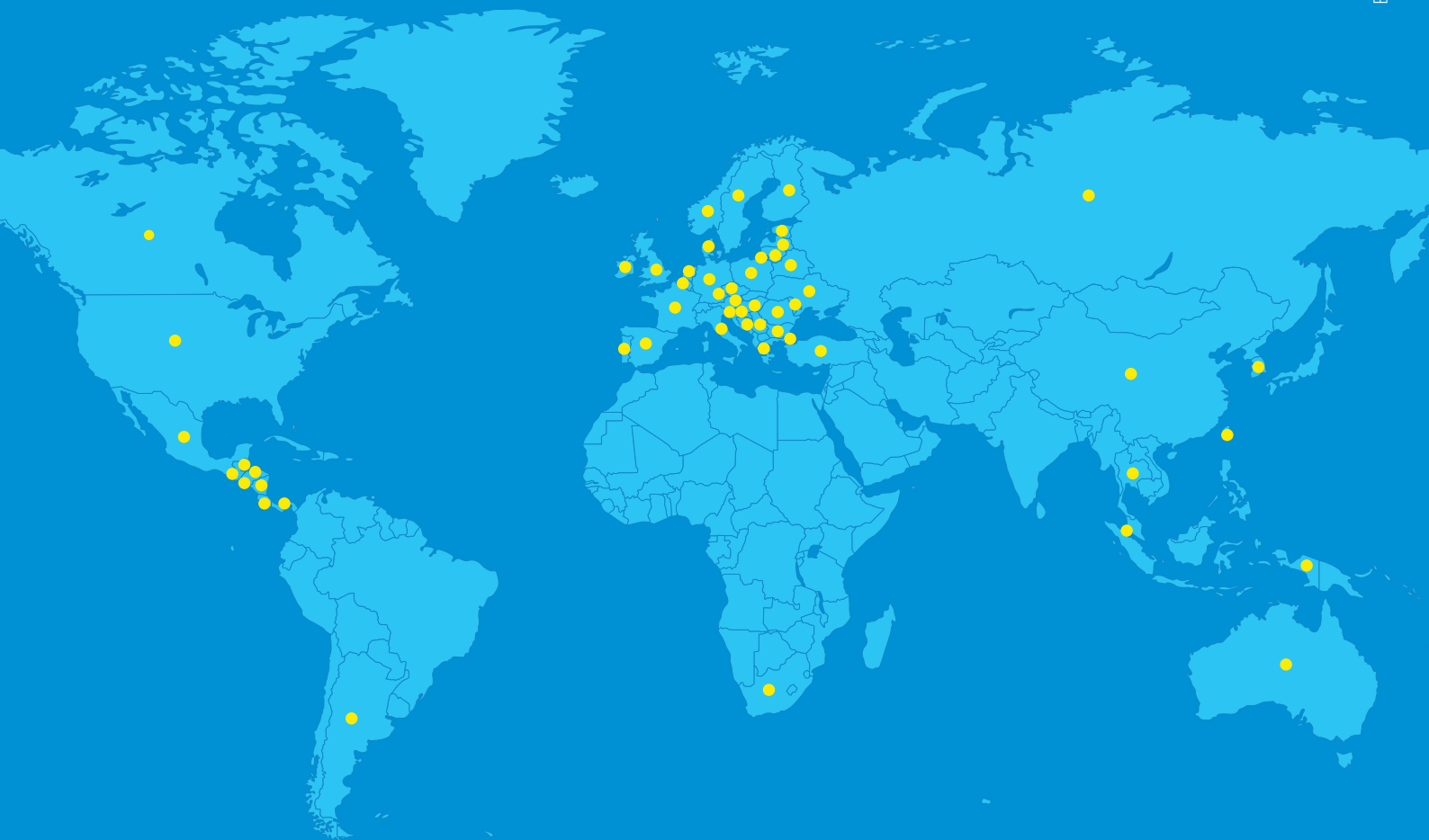
### COMPATIBILITY TABLE FOR PIPE CLAMPS AND MANIFOLDS

Size of manifolds in inches/mm.  
The *dot* states that the pipe clamp can be installed on a manifold of the indicated size.

	MANIFOLD DIMENSIONS						
	1/2"	25 mm	3/4"	1"	1-1/4"	1-1/2"	2"
ZPB	•	•	•	•	•		
ZPC	•						
ZPE					•		
ZPF					•	•	
ZPG			•	•	•	•	•
ZPH						•	
ZPI					•		
ZPL				•	•	•	•
ZPM	•		•	•	•	•	•
ZPN						•	
ZPN MINI	•		•	•			
ZPQ					•	•	
ZPV						•	

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