

Non-return valve, Pipe ext. Ø 18mm, PN max. 160, galvanised steel - Riegler 159407

Item no. RGL-159407

Manufacturer Riegler

EAN 4047322640695

Non-return valve, Pipe ext. Ø 18mm, PN max. 160, galvanised steel

TECHNICAL DATA

Country of Manufacture	Italy
Material	Zinc-plated steel (DIN 2353)
Nominal pressure PN [bar]	160
Norm	DIN 2353
Tube OD [mm]	18
Weight	0.423 kg
Zolltarifnummer	84813091



STANDARDS & COMPLIANCE

DIN 2353

DESCRIPTION

Non-return valve, Pipe exterior Ø 18, PN max. 160, a/f1 32, a/f2 36, a/f3 36, galvanised steel Non-return valve, pipe connection on both sides, light type

TECHNICAL DATA

Material	galvanised steel (DIN 2353)
Tube O.D.	18 mm
L1	83.5 mm
a/f 1	32 mm
a/f 2	36 mm
a/f 3	36 mm
PN	160 bar

STANDARDS AND ORIGIN

- Customs tariff number: 84813091
- Country of origin: IT

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ABOUT NON-RETURN VALVES

Non-return valves in compression fitting design let the medium pass in one direction only and stop a line from draining backwards or pushing against the pump. The group covers tube outside diameters from 6 to 28 mm at nominal pressures of PN 100 to PN 400. Flow runs from the cutting ring towards the thread.

WHAT MATTERS WHEN CHOOSING

- Tube O.D. 6 to 28 mm follows the precision steel tube already installed. Cutting ring and union nut have to match that tube size.
- PN 100 to 400 bar: the nominal pressure drops as tube diameter grows. Small tubes carry the high pressure ratings, the largest diameters in this group end at PN 100.
- Thread: male threads from G 1/8 to G 1 are available and define how the valve attaches to a manifold block, power unit or fitting.
- Light or heavy series: at the same tube diameter the heavy series covers the higher pressure ratings.
- Material galvanised steel to DIN 2353, which matches the usual compression fittings of the same standard and works with existing accessories.

TYPICAL APPLICATIONS

- Hydraulic power units where the pressure line must not run back after shutdown
- Pump protection against reverse flow from an accumulator or from parallel circuits
- Merging several pressure sources that must not feed one another
- Machine tools and clamping fixtures piped in precision steel tube
- Mobile hydraulics and attachments with changing load directions

All 48 items are made from galvanised steel to DIN 2353 and manufactured in Italy. Cracking pressure is 0.8 to 1.2 bar and the male thread is parallel.