

# FLOW CONDITIONER

To stabilize a flow in a pipeline upstream of a measuring element

## GENERAL DATA<sup>(1)</sup>

- Standards: ISO 5167, ASME MFC-3M
- Fluid: liquid, gas, steam
- Weld-end (BW) or flanged connection
- To reduce upstream straight lengths for flow measurement
- To be positioned downstream of any piping accessory, respecting the distances between the accessory and the conditioner and between the conditioner and the primary element specified in the standard
- Different types: tube bundle, AMCA or star flow straightener<sup>(2)</sup>, Nova, Sprengle or Zanker conditioner<sup>(3)</sup>

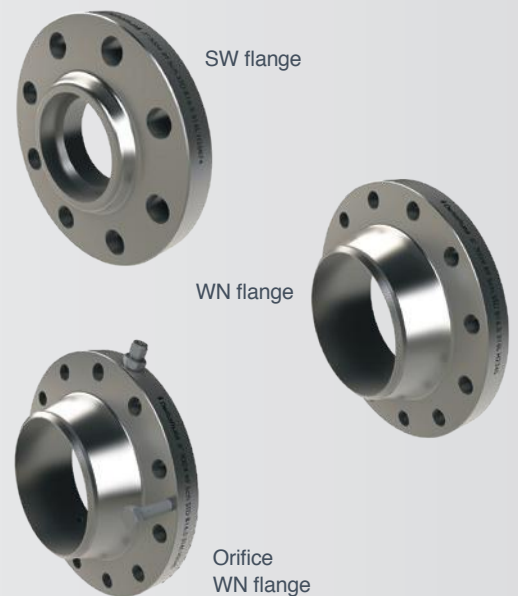


# FLANGES

To connect several pieces of piping; easy assembly and disassembly

## GENERAL DATA<sup>(1)</sup>

- Standards: ASME B16.5, B16.36, B16.47, MSS SP-44, API6B
  - o Corresponding flanges: welding neck, orifice welding neck, slip on, socket welding, blind
  - o Operating pressure: ASME 150# to 2500# or API 200 PSI to 20 000 PSI
- Standards: NF EN 1092-1, NF EN 1759-1
  - o Corresponding flanges: welding flat flange (type 01), blind flange (type 05), welding neck flange (type 11)...
  - o Operating pressure: ISO PN 2.5 to 420
- All face designs: RF, RTJ, with groove/tongue face, other types of flange facings according to your application
- Diameter ND 1/4" to 24" – up to 60" on request
- Material:
  - o Standard: carbon steel, stainless steel, duplex
  - o Others: according to your application
- Thickness to be defined
- Schedule: 5 to XXS



<sup>(1)</sup> Only standard data are exposed on this page. Other designs are available on request.

<sup>(2)</sup> A flow straightener is a device that considerably reduces disturbances.

<sup>(3)</sup> A conditioner is a device which reduces disturbances and which allows a satisfactory redistribution of the velocity profile over the whole section of the pipe.