

Ygros WAFER: The one and only spring free WAFER check valve

Finally a smart solution for water treatment,
vacuum and gas applications

YGROS[®]
VALVES
Let it flow

WAFER



PATENTED

YGROS **patented technology** sets new standards in the world of plant design, thanks to a patented magnetic principle replacing the conventional spring in Non Return Valves. Suitable for horizontal, vertical up and down installation (even in vertical pipes with flow down). For gases, fluids and steam. Up to +220°C .

BENEFITS AT A GLANCE

- _ **No chatter:** the magnetic principle is particularly suitable for compressible media (such as gas) or low pressure processes. Very low difference pressure needed to keep the disc fully open
- _ **High chemical resistance / longer valve life:** due to the 1.4404 (AISI 316 L) / 1.4462 (Duplex) construction
- _ **Safe closing:** provided by integral magnets
- _ **Any installation position possible:** unlike other springless check valves, YGROS WAFER can be installed in the horizontal, vertical up and down positions
- _ **Energy saving (laminar flow):** the innovative working principle and design allow for a smooth flow, minimising turbulence and pressure drop
- _ **Maintenance free**

Technical data

Product contact materials	Body: Stainless steel 1.4404 (AISI 316L) Shutter: 1.4462 (Duplex)
Non product contact materials	Magnet: Neodymium
Seals material options	EPDM, NBR, HNBR, VMQ (Silicone), FKM (Viton)
Sizes	From DN25 to DN250
Surface finishes Internal:	Internal: Ra $\mu\text{m} \leq 1.6$ External: Ra $\mu\text{m} \leq 3.2$
Temperature range	-40°C/+150°C (standard). Up to +220°C (optional)
Operating pressure	PN16 (standard). Further operating pressures on request
Media	Gas, Steam, Fluids
Certifications (on request)	Material (EN10204-3.1) / Seals (FDA) Surface roughness ATEX EC 1935/2004

