



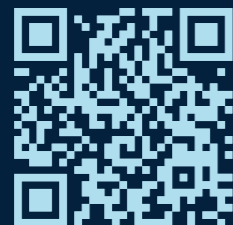
**100%
MADE IN
PORTUGAL**

At Fucoli-Somepal, we are committed to preserving our planet's precious natural resources.

Through **innovation** and dedication, we strive to minimise our **carbon and water footprints**, ensuring a more sustainable future for generations to come.

Our ductile iron solutions not only meet industry standards but also incorporate eco-conscious practices, reflecting our ongoing commitment to **environmental sustainability**.

Join us in creating a greener tomorrow!

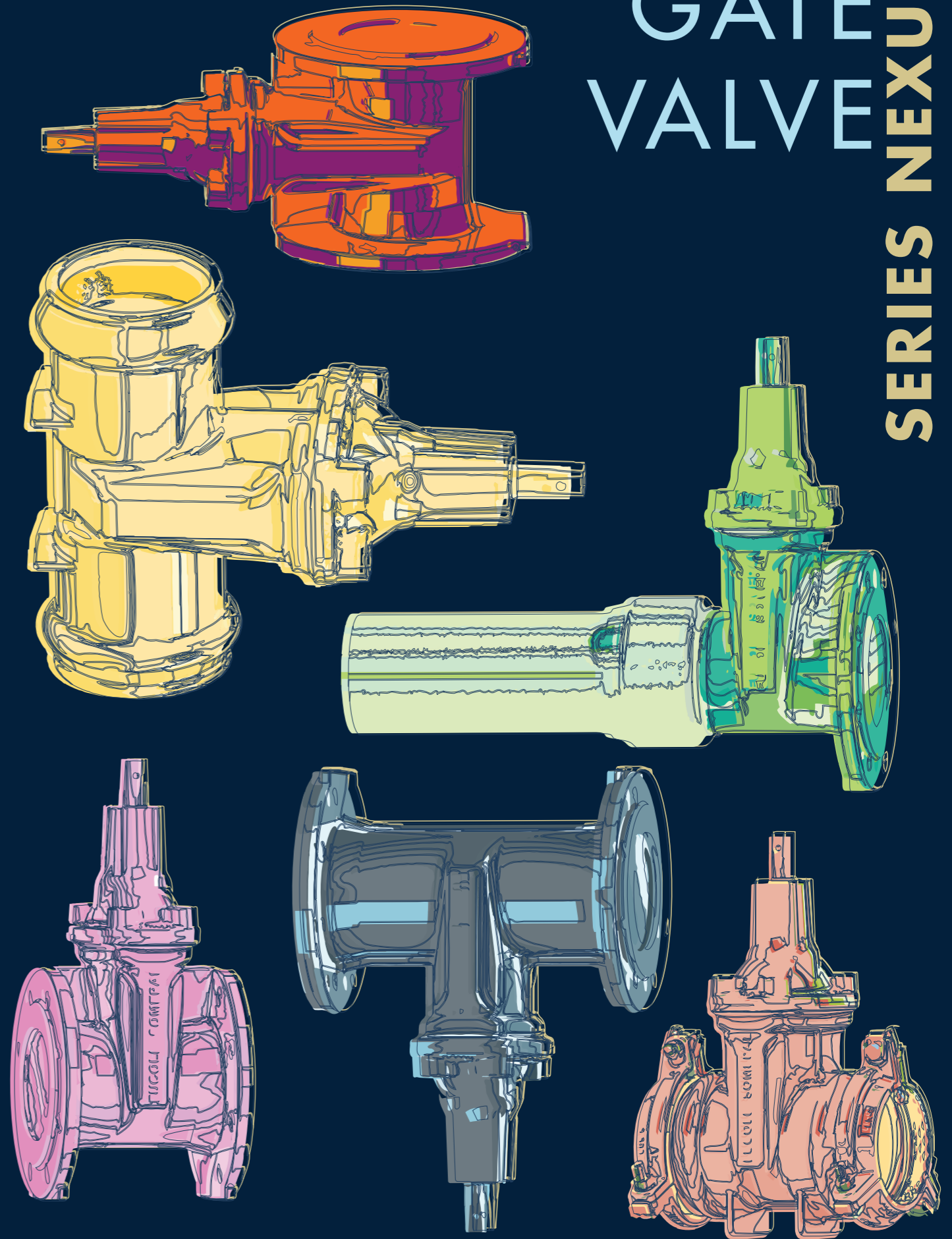


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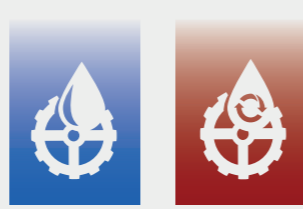
GATES VALVE SERIES NEXUS



Fucoli-Somepal
FUNDIÇÃO DE FERRO, S.A.



GATE VALVE SERIES NEXUS



PATENTED PRODUCT



APPROVALS



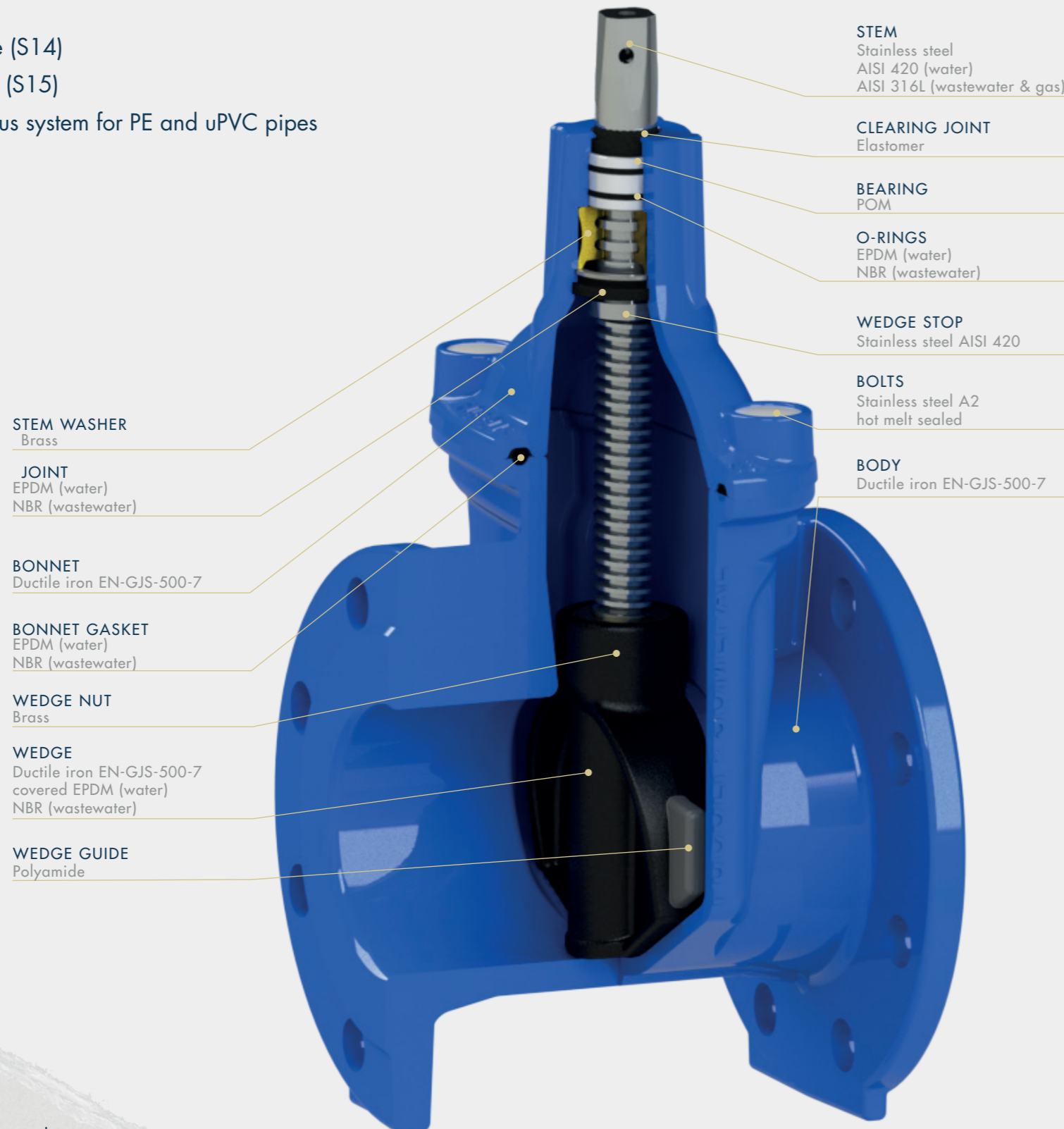
Available versions:

Flanged short face-to-face (S14)

Flanged long face-to-face (S15)

Restrained socket Blockplus system for PE and uPVC pipes

Flange / PE spigot end



STEM
Stainless steel
AISI 420 (water)
AISI 316L (wastewater & gas)

CLEARING JOINT
Elastomer

BEARING
POM

O-RINGS
EPDM (water)
NBR (wastewater)

WEDGE STOP
Stainless steel AISI 420

BOLTS
Stainless steel A2
hot melt sealed

BODY
Ductile iron EN-GJS-500-7

STEM WASHER
Brass

JOINT
EPDM (water)
NBR (wastewater)

BONNET
Ductile iron EN-GJS-500-7

BONNET GASKET
EPDM (water)
NBR (wastewater)

WEDGE NUT
Brass

WEDGE
Ductile iron EN-GJS-500-7
covered EPDM (water)
NBR (wastewater)

WEDGE GUIDE
Polyamide

FEATURES

- Range from **DN 50 to DN 300** in PN 10 and PN 16
- Designed according to EN 1074 part 1 & 2 and EN 1171
- High-quality **GSK** approved epoxy coating, 250 µm minimum thickness, for enhanced corrosion protection and long service life.
- Approved for drinking water applications
- Full bore design for low head loss
- **Low operating torque** for easy operation
- Stem strength improved by rolled threads
- Stem design with wedge stop to protect seals and coating
- Anti-blowout stem design
- **Polyamide-coated wedge guide** rails for reduced friction, lower closing torque and corrosion prevention
- **Fixed wedge nut** design to prevent vibration and support long service life
- Body/bonnet gasket fixed in a recess to prevent blow-out
- Body/bonnet bolts encased and hot-melt sealed for full corrosion protection
- Available in two different colors, for easy pipeline network identification:
 - **Blue RAL 5005** for water
 - **Red Brown RAL 3011** for wastewater

WHAT TO EXPECT:

- Designed according to internationally recognised standards
- Full bore design for hydraulic efficiency
- Low operating torque for dependable long-term operation
- Robust wedge and stem design for reliability and durability
- GSK approved epoxy coating and sealed fasteners for enhanced corrosion protection
- Available with a wide range of connection options

Designed for reliable shut-off in water and wastewater infrastructure, the Fucoli-Somepal **Series Nexus** combines robust ductile iron construction, smooth operation and long service life.

Its full bore design supports low head loss, while its resilient seated wedge with fixed wedge nut ensures stable operation, reduced vibration and dependable long-term performance.

AREAS OF USE

- Water treatment plants
- Wastewater and sewage networks
- Pumping stations
- Pressure management systems
- Industrial water applications



100% PRODUCED IN PORTUGAL
FROM **START** TO **FINISH**