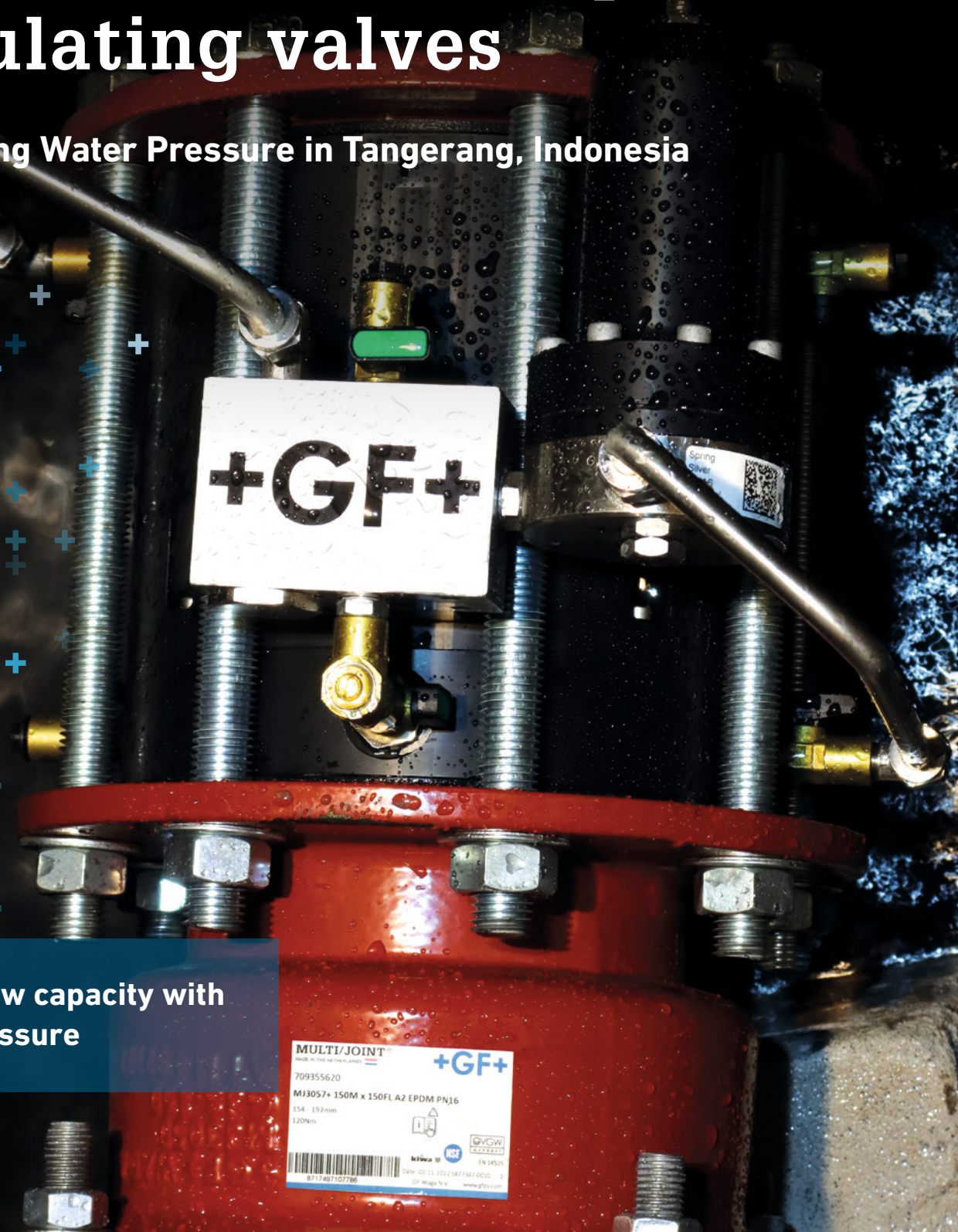


NeoFlow PRV

Reducing non-revenue water with modern pressure regulating valves

Regulating Water Pressure in Tangerang, Indonesia



Higher flow capacity with lower pressure

MULTIJOINT +GF+
709355620
M13057+ 150M x 150FL A2 EPDM PN16
154 - 192mm
120Nm
Date: 02-11-2022 18:17:32 0002 3
GF Waag N.V. www.gf.com

Reducing non-revenue water in Indonesia with NeoFlow by GF Piping Systems

PT. Moya Indonesia is a Jakarta-based water distribution operator that runs a number of water treatment projects in the region and supplies water to East Jakarta as well as Tangerang.

Project background

The Moya network in the city of Tangerang provides water to 30.000 customers as well as 90% of the water used in the nearby Jakarta International Airport. In order to support the current production capacity of 1,150 liters per second while simultaneously maintaining a stable pressure, PT. Moya Indonesia decided to implement NeoFlow pressure regulating valves by GF Piping Systems.

Selected technical solution

As a response to the current needs of the water sector, GF Piping Systems developed NeoFlow, the company's newest pressure regulating valve for water distribution. The PRV is designed to prevent over-pressurized pipes by ensuring an accurate and stable flow, as well as increased flow capacity. For the application in Tangerang, NeoFlow was selected in the dimension DN150. As it was necessary to connect different piping materials, restraint joints became necessary for a successful installation. Here, GF Piping Systems also provided its MULTI/JOINT 3000 Plus system. It is designed for gas or water pipe networks and is quick, safe, and simple to connect without the need for special tools. This avoids time-consuming traditional jointing techniques involving collars, flanging, welding, or the use of thrust blocks. As a result, the new NeoFlow valves could be implemented into Tangerang's network without significant disruptions.

Achieved improvement

The water distribution operator benefitted from a complete and fully compatible solution that could successfully be adapted to the local network. The network previously delivered a maximum flow of 40 liter/minute and was operating with a pressure of 2.5 bar. Thanks to the updated pressure management, PT. Moya Indonesia experienced a flow increase as much as 55 liter/minute (37% flow increase), while the outlet pressure was set to 1.8 bar, resulting a more stable flow and operating with lower pressure. Moya can now offer a more stable and uncompromised water supply to customers.

Your contact

Georg Fischer Piping Systems Ltd
Ebnatstrasse 111
8201 Schaffhausen / Switzerland

Telephone +41 (0)52 631 11 11
mail@georgfischer.com
www.gfps.com

Co-developed with OFUI



Assembly of piping system and adjusting to the current main line pipe distribution.



Piping system integrated with NeoFlow DN150 and MULTI/JOINT 3000 Plus at Tangerang, Indonesia.

Customer benefits

- Simple design with only three primary components
- Increased and stable flow even with lower pressure
- Corrosion-free polymer body leads to longer maintenance intervals

The information and technical data (altogether "Data") herein are not binding, unless explicitly confirmed in writing. The Data neither constitutes any expressed, implied or warranted characteristics, nor guaranteed properties or a guaranteed durability. All Data is subject to modification. The General Terms and Conditions of Sale of Georg Fischer Piping Systems apply.

