

# Rep → news

**2025-03-13**

**#003**

## **Content**

FRM, FRM-NOC and SAV now suitable for 100% H<sub>2</sub>

### **Technical questions?**

Please ask our Supportcenter: [supportcenter@dungs.com](mailto:supportcenter@dungs.com) or +49 7181-804-804

### **RepNews created by**

Albert López

Product Manager

[a.lopez@dungs.com](mailto:a.lopez@dungs.com) or +34 606 017 385

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## FRM, FRM-NOC and SAV now suitable for 100% H<sub>2</sub>

Following the commitment with Hydrogen as an alternative fuel for the 2030 Agenda achievement and the 2050 Net Zero Emission, DUNGS enlarges the capabilities to handle pure Hydrogen up to 1000 or 2500 kPa (10 or 25 bar).

We're happy to announce that from 1<sup>st</sup> April, our medium pressure regulator FRM, FRM-NOC and slam shut valve SAV in sizes up to DN 50 are ready to be used with pure Hydrogen and any blends of it. In a second step in Q3/2025 the bigger sizes will follow. This is out of the result of a material study and tests and the effects of the Hydrogen molecules in the material strength and leakage. This enhancement opens new opportunities for us to meet the growing demand for hydrogen-based solutions in the market.

Aligned with the standardization committees and technical specifications, there is a split in requirements for the materials working up to 1000 kPa (10 bar) and above it. Therefore, we should differentiate and currently limit the use for the DN 65 and DN 80 to 1000 kPa (10 bar). The reason is that few components must be changed to comply with the requirements.

In summary:

Product type/size	Up to 1000 kPa (10 bar)	Up to 2500 kPa (25 bar)
<b>FRM ...025/040/050</b> DN 25...DN 50 (1"... 2" NPS)	100% H <sub>2</sub>	100% H <sub>2</sub>
<b>SAV ...10/15/20/025/040/050</b> 1" 2" Rp or NPT DN 25...DN 50 (1"... 2" NPS)		
<b>FRM-NOC</b>		
<b>FRM ...065/080</b> DN 65, DN 80 (2 ½", 3" NPS)	100% H <sub>2</sub> * (from Q3/2025)	Blends up to 25% H <sub>2</sub>
<b>SAV ...065/080</b> DN 65, DN 80 (2 ½", 3" NPS)		

\*Currently blends up to 25% H<sub>2</sub>