



**GUIDE THE  
HYDROGEN TRANSITION.**

OMAL IS WITH YOU.

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# H<sub>2</sub> SERIES



H2 INVICTUS



KRATOS



SUPREME



THOR



MAGNUM



424

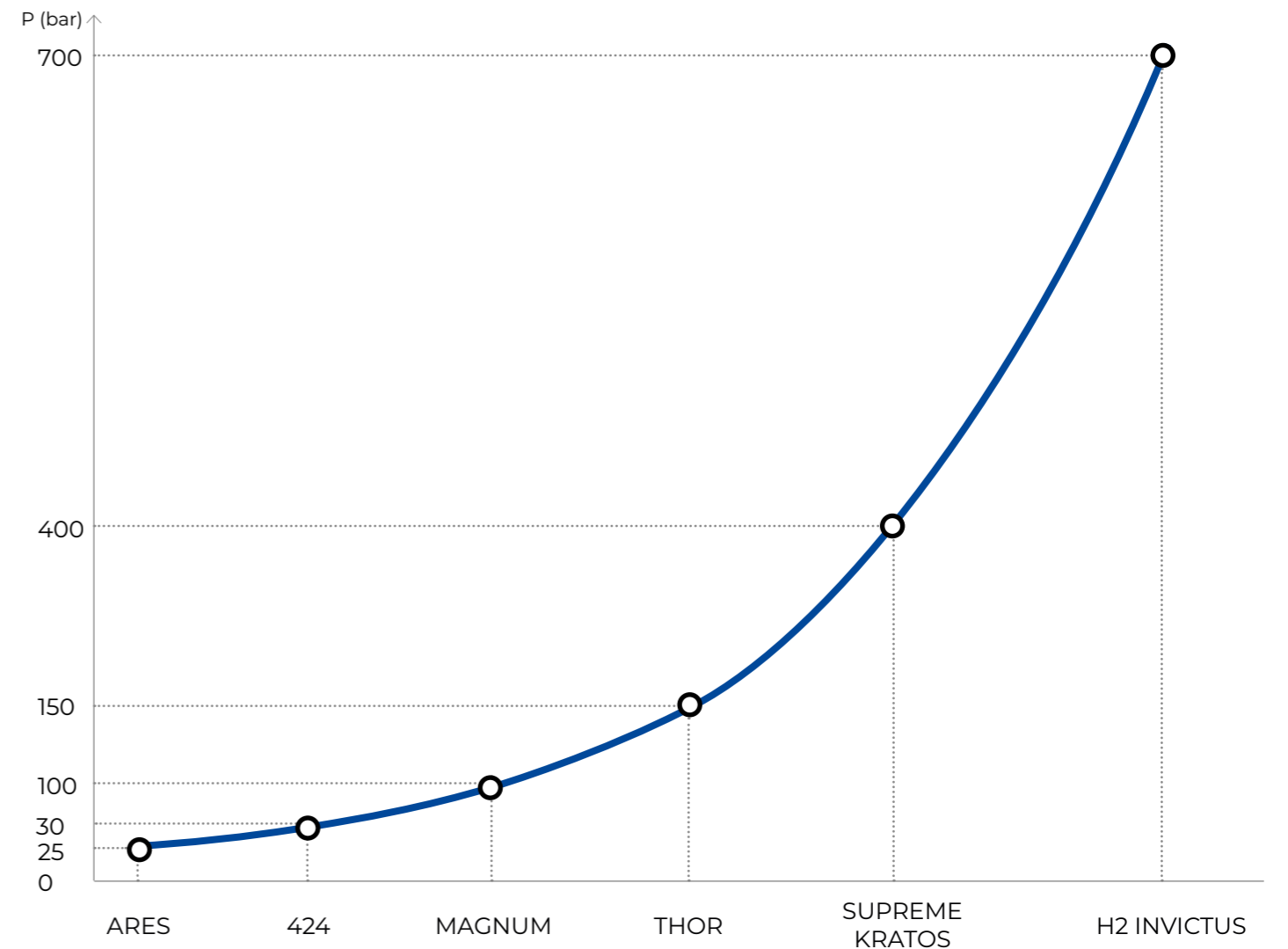


ARES

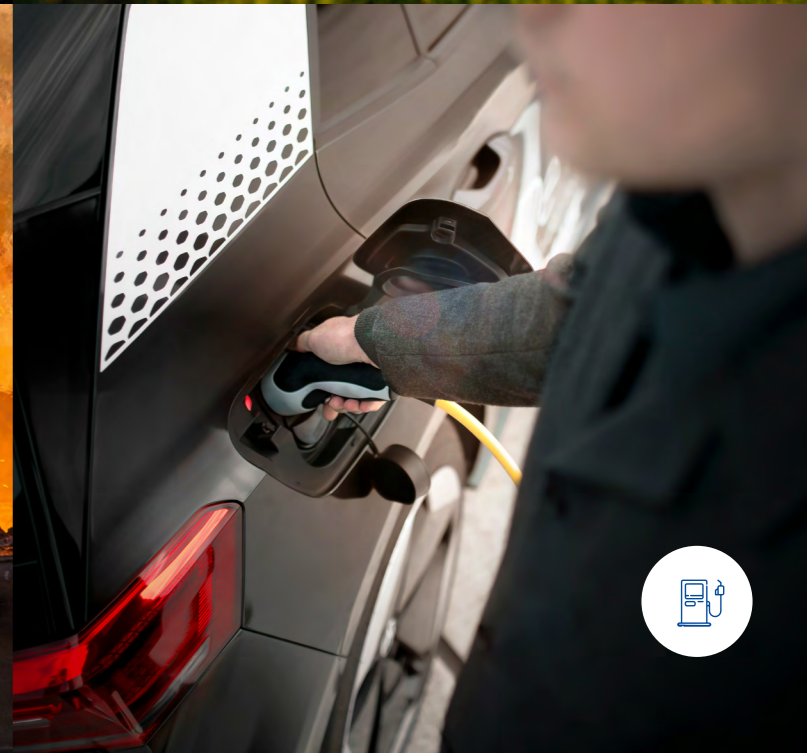
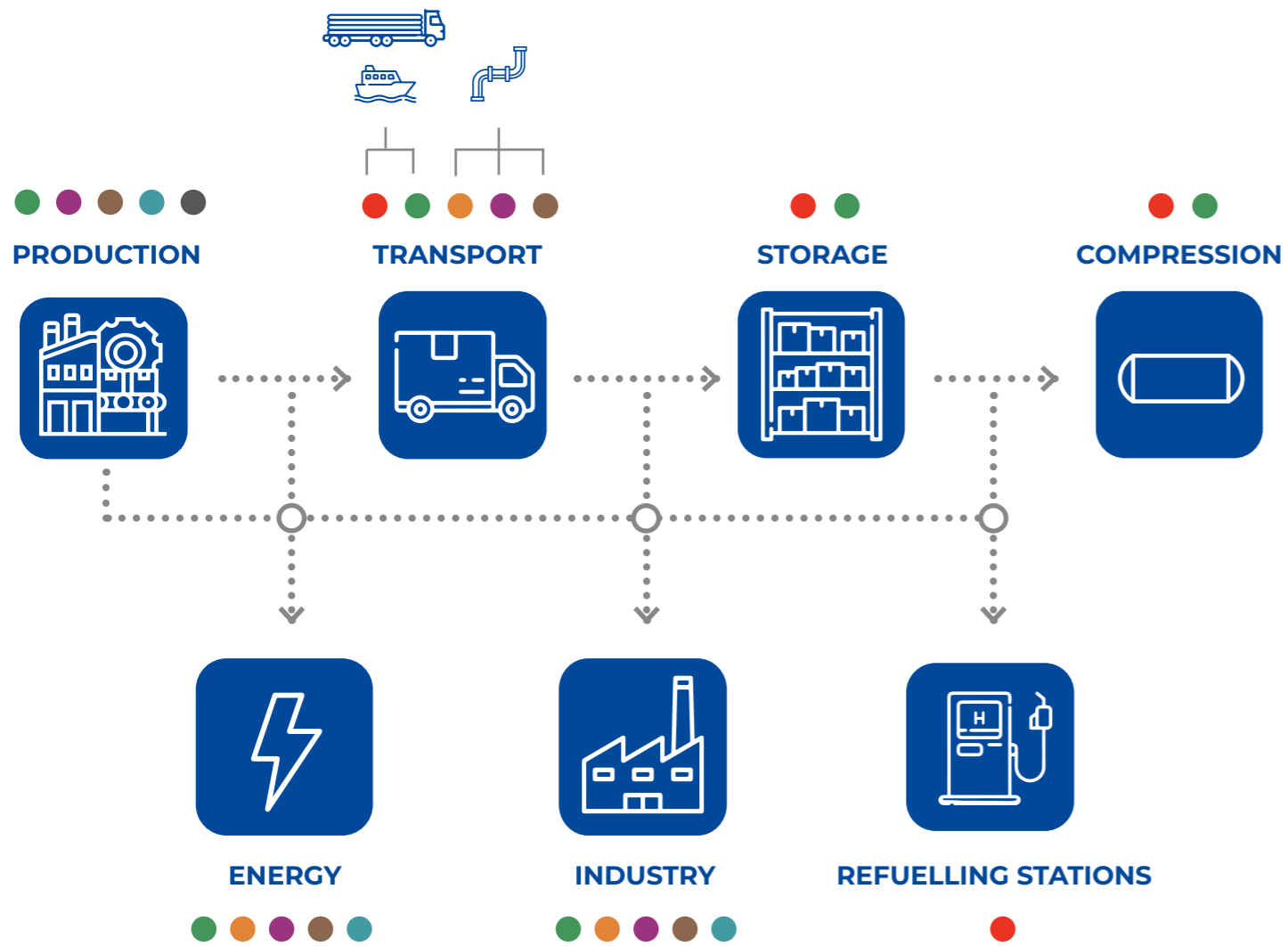
# OMAL H<sub>2</sub> HIGH QUALITY SOLUTIONS

|   |                |
|---|----------------|
| Material Compatibility Assessment with hydrogen                               | TÜV SUD        |
| Certification EN 19880-3 for H2 Invictus                                      | TÜV SUD        |
| Certification 2010/35/EU TPED Directive                                       | Bureau Veritas |
| Certification Fugitive Emission ISO 15848-1 for Magnum, Thor, Supreme, Kratos | TÜV SUD        |
| Certification EN 61508 up to SIL 3 for Magnum, Thor, Supreme, Kratos          | TÜV NORD       |
| Certification API6D - License n° 6D-1007                                      | API            |
| Equipment group IIC according to 2014/34/EU ATEX Directive                    |                |

## GETTING HIGHER ON HYDROGEN



# HYDROGEN SUPPLY CHAIN



# TECHNICAL DETAILS

## H2 INVICTUS

HIGH PRESSURE BALL VALVES



## KRATOS

HIGH PRESSURE BALL VALVES



## SUPREME

TRUNNION BALL VALVES



| SPECIFICATIONS  |
|---|
| <b>Size:</b> <ul style="list-style-type: none"> <li>DN 8 ÷ DN 25 [mm]</li> <li>1/4" ÷ 1" [inch]</li> </ul>  |
| <b>Body material:</b> <ul style="list-style-type: none"> <li>316 Stainless steel</li> </ul>   |
| <b>End connections:</b> <ul style="list-style-type: none"> <li>CONE&amp;THREAD</li> <li>NPT (ANSI B1.20.1)</li> </ul>   |
| <b>Max pressure:</b> <ul style="list-style-type: none"> <li>PN 700</li> </ul>   |
| <b>Options:</b> <ul style="list-style-type: none"> <li>Stem Extension</li> </ul>  |
| <b>Certifications:</b> <ul style="list-style-type: none"> <li>EN19880-3</li> <li>Ex CE/UKCA</li> <li>Pressure Equipment CE/UKCA</li> <li>Fugitive Emission rate A</li> <li>SIL (up to SIL3)</li> <li>Fire Safe</li> </ul> |

| SPECIFICATIONS   |
|--|
| <b>Size:</b> <ul style="list-style-type: none"> <li>DN 8 ÷ DN 50 [mm]</li> <li>1/4" ÷ 2" [inch]</li> </ul>   |
| <b>Body material:</b> <ul style="list-style-type: none"> <li>A350-LF2 Carbon steel</li> <li>316 Stainless steel</li> </ul>   |
| <b>End connections:</b> <ul style="list-style-type: none"> <li>ISO 228-1</li> <li>NPT (ANSI B1.20.1)</li> </ul>  |
| <b>Max pressure:</b> <ul style="list-style-type: none"> <li>PN 414 (varies by size)</li> <li>6000 PSI (varies by size)</li> </ul>  |
| <b>Options:</b> <ul style="list-style-type: none"> <li>BW / SW connection</li> <li>Stem Extension</li> </ul>   |
| <b>Certifications:</b> <ul style="list-style-type: none"> <li>TPED</li> <li>Ex CE/UKCA</li> <li>Pressure Equipment CE/UKCA</li> <li>Fugitive Emission</li> <li>SIL (up to SIL3)</li> </ul> |

| SPECIFICATIONS   |
|--|
| <b>Size:</b> <ul style="list-style-type: none"> <li>DN 50 ÷ DN 300 [mm]</li> <li>2" ÷ 12" [inch]</li> </ul>  |
| <b>Body material:</b> <ul style="list-style-type: none"> <li>Carbon steel</li> <li>Stainless steel</li> </ul>  |
| <b>End connections:</b> <ul style="list-style-type: none"> <li>Flanged RF / RTJ</li> </ul>   |
| <b>Pressure class:</b> <ul style="list-style-type: none"> <li>ANSI 150-2500 (varied by size)</li> </ul>  |
| <b>Options:</b> <ul style="list-style-type: none"> <li>BW / SW connection</li> </ul>   |
| <b>Certifications:</b> <ul style="list-style-type: none"> <li>Ex CE/UKCA</li> <li>Pressure Equipment CE/UKCA</li> <li>Fire Safe</li> <li>SIL (up to SIL3)</li> <li>Fugitive Emission rate B</li> <li>API6D on request</li> </ul> |

Transport:

Storage

Compression

Refuelling Stations

Production

Transport:

Storage

Compression

Industry

Energy

Transport:

Industry

Energy

## THOR

SPLIT BODY FLANGED BALL VALVES



## MAGNUM

SPLIT WAFER BALL VALVES



## MAGNUM

WAFER BALL VALVES



| SPECIFICATIONS   |
|--|
| <b>Size:</b> <ul style="list-style-type: none"> <li>DN 15 ÷ DN 200 [mm]</li> <li>1/2" ÷ 8" [inch]</li> </ul>   |
| <b>Body material:</b> <ul style="list-style-type: none"> <li>A105 Carbon steel</li> <li>316 Stainless steel</li> <li>CF8M s.s. (CL 150-300)</li> </ul>   |
| <b>End connections:</b> <ul style="list-style-type: none"> <li>Flanged RF (RTJ on request)</li> </ul>  |
| <b>Pressure class:</b> <ul style="list-style-type: none"> <li>ANSI 150-300</li> <li>ANSI 600; PN 63-100 (DN≤100)</li> <li>ANSI 900-1500 (DN≤50)</li> </ul>   |
| <b>Options:</b> <ul style="list-style-type: none"> <li>3-Ways (DN≤100)</li> <li>Locking device</li> <li>Stem Extension</li> </ul>  |
| <b>Certifications:</b> <ul style="list-style-type: none"> <li>Ex CE/UKCA</li> <li>Pressure Equipment CE/UKCA</li> <li>TPED</li> <li>SIL (up to SIL3)</li> <li>Fugitive Emission rate A</li> <li>Fire Safe</li> <li>API6D on request</li> </ul> |

| SPECIFICATIONS   |
|--|
| <b>Size:</b> <ul style="list-style-type: none"> <li>DN 15 ÷ DN 200 [mm]</li> <li>1/2" ÷ 8" [inch]</li> </ul>   |
| <b>Body material:</b> <ul style="list-style-type: none"> <li>A105 Carbon steel</li> <li>316 Stainless steel</li> </ul>   |
| <b>End connections:</b> <ul style="list-style-type: none"> <li>Flanged RF</li> </ul>   |
| <b>Pressure class:</b> <ul style="list-style-type: none"> <li>ANSI 150-300; PN 16-40</li> <li>ANSI 600; PN 63-100 (DN≤100)</li> </ul>  |
| <b>Options:</b> <ul style="list-style-type: none"> <li>3-Ways (DN≤100)</li> <li>Locking device</li> <li>Stem Extension</li> </ul>  |
| <b>Certifications:</b> <ul style="list-style-type: none"> <li>Ex CE/UKCA</li> <li>Pressure Equipment CE/UKCA</li> <li>TPED</li> <li>SIL (up to SIL3)</li> <li>Fugitive Emission rate A</li> <li>Fire Safe</li> </ul> |

| SPECIFICATIONS   |
|--|
| <b>Size:</b> <ul style="list-style-type: none"> <li>DN 15 ÷ DN 100 [mm]</li> <li>1/2" ÷ 4" [inch]</li> </ul>   |
| <b>Body material:</b> <ul style="list-style-type: none"> <li>A105 Carbon steel</li> <li>316 Stainless steel</li> </ul>   |
| <b>End connections:</b> <ul style="list-style-type: none"> <li>Flanged RF</li> </ul>   |
| <b>Pressure class:</b> <ul style="list-style-type: none"> <li>ANSI 150-300; PN 16-40</li> </ul>  |
| <b>Options:</b> <ul style="list-style-type: none"> <li>Locking device</li> <li>Stem Extension</li> </ul>   |
| <b>Certifications:</b> <ul style="list-style-type: none"> <li>Ex CE/UKCA</li> <li>Pressure Equipment CE/UKCA</li> <li>TPED</li> <li>SIL (up to SIL3)</li> <li>Fugitive Emission rate A</li> <li>Fire Safe</li> </ul> |

Production

Transport:

Industry

Energy

Production

Transport:

Industry

Energy

Production

Transport:

Industry

Energy







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**PRODUCTION SITE**

Via Brognolo, 12 - 25050 Passirano (BS) ITALY

**Coordinates:**

Lat: 45° 35' 51" North; Lon: 10° 05' 18" East