



**GUIDE THE
HYDROGEN TRANSITION.**

OMAL IS WITH YOU.

WWW.OMAL.COM

H₂ SERIES



H2 INVICTUS



KRATOS



SUPREME



THOR



MAGNUM



424

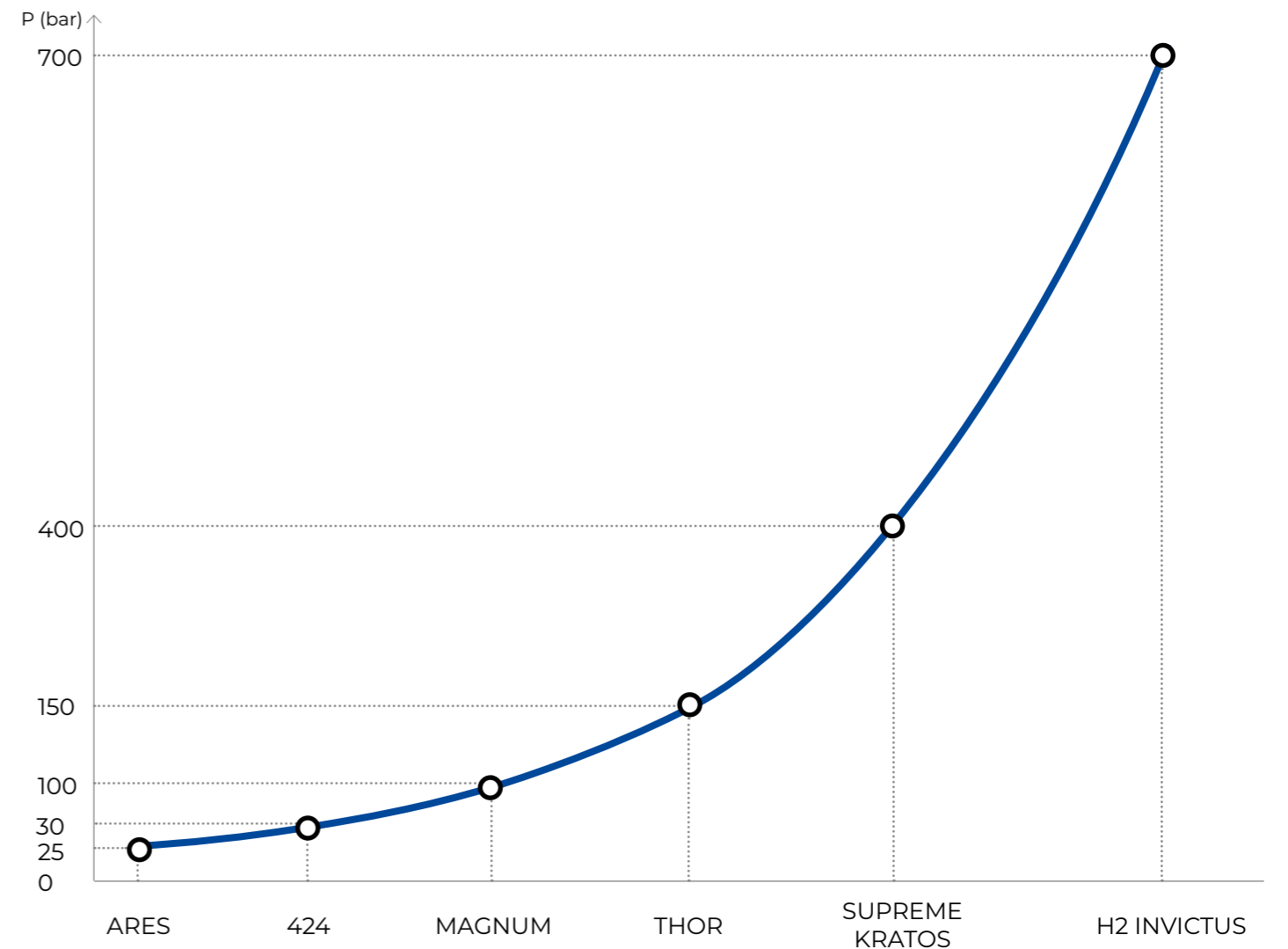


ARES

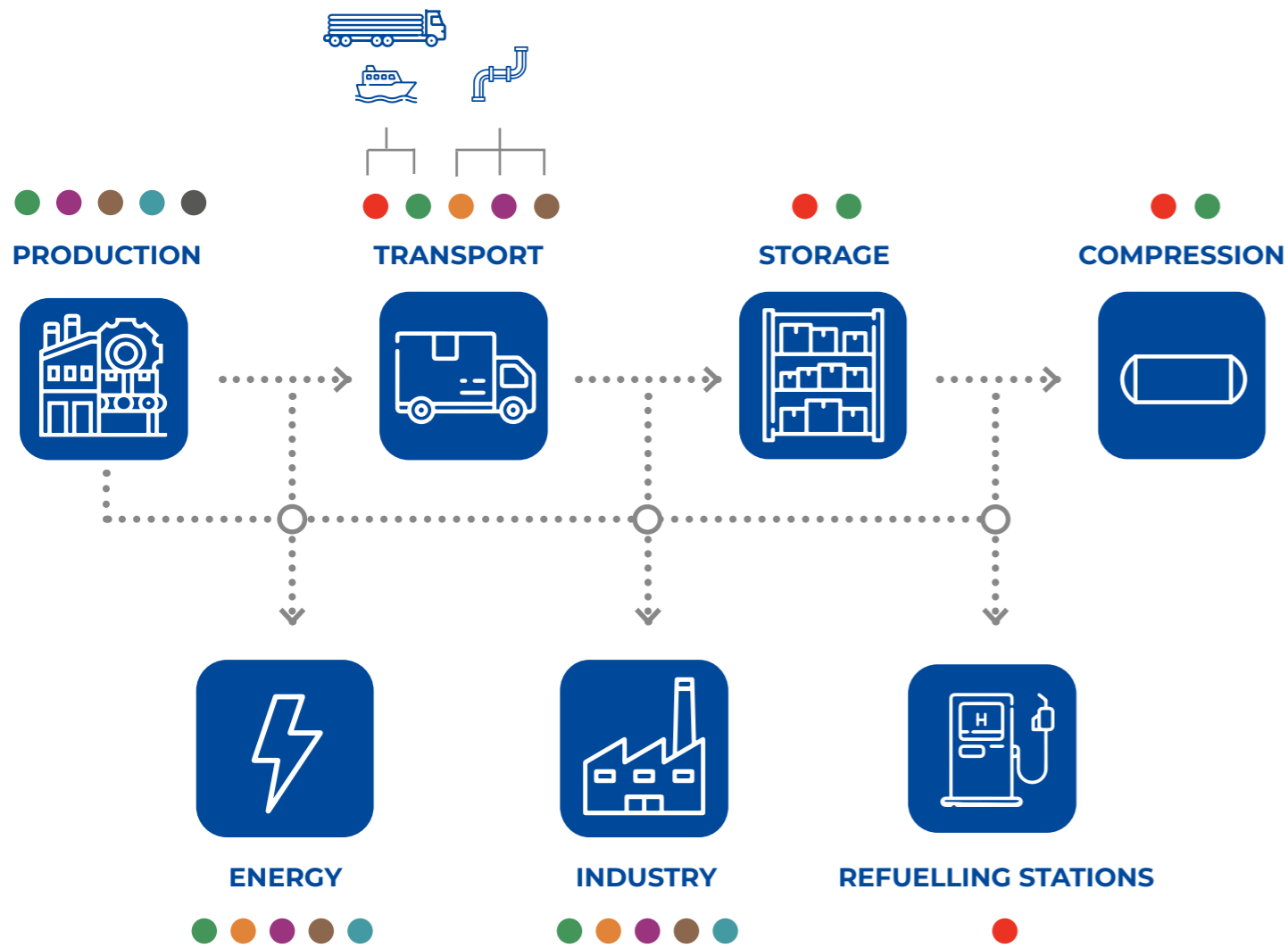
OMAL H₂ HIGH QUALITY SOLUTIONS

Material Compatibility Assessment with hydrogen	TÜV SUD
Certification ISO 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	

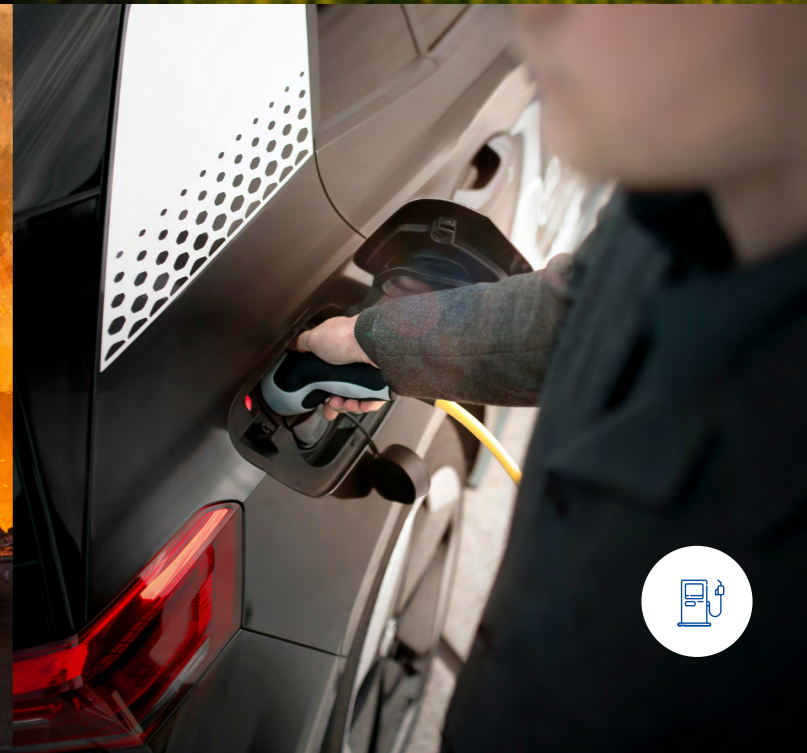
GETTING HIGHER ON HYDROGEN



HYDROGEN SUPPLY CHAIN



Overland Transport Transport by Sea Pipeline



TECHNICAL DETAILS

H2 INVICTUS

HIGH PRESSURE BALL VALVES



KRATOS

HIGH PRESSURE BALL VALVES



SUPREME

TRUNNION BALL VALVES



SPECIFICATIONS
Size: <ul style="list-style-type: none"> DN 8 ÷ DN 25 [mm] 1/4" ÷ 1" [inch]
Body material: <ul style="list-style-type: none"> 316 Stainless steel
End connections: <ul style="list-style-type: none"> CONE & THREAD NPT (ANSI B1.20.1)
Max pressure: <ul style="list-style-type: none"> 700 bar / H50
Options: <ul style="list-style-type: none"> Stem Extension
Certifications: <ul style="list-style-type: none"> ISO 19880-3 Ex CE/UKCA

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

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

Transport:

Storage

Compression

Refuelling Stations

Production

Transport:

Storage

Compression

Industry

Energy

Transport:

Industry

Energy

THOR

SPLIT BODY FLANGED BALL VALVES



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

Production

Transport:

Industry

Energy

MAGNUM

SPLIT WAFER BALL VALVES



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

Production

Transport:

Industry

Energy

MAGNUM

WAFER BALL VALVES



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

Production

Transport:

Industry

Energy



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Coordinates:

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