



**GUIDE THE
HYDROGEN TRANSITION.**

OMAL IS WITH YOU.

WWW.OMAL.COM

H₂ SERIES



H2 INVICTUS



KRATOS



SUPREME



THOR



MAGNUM



424

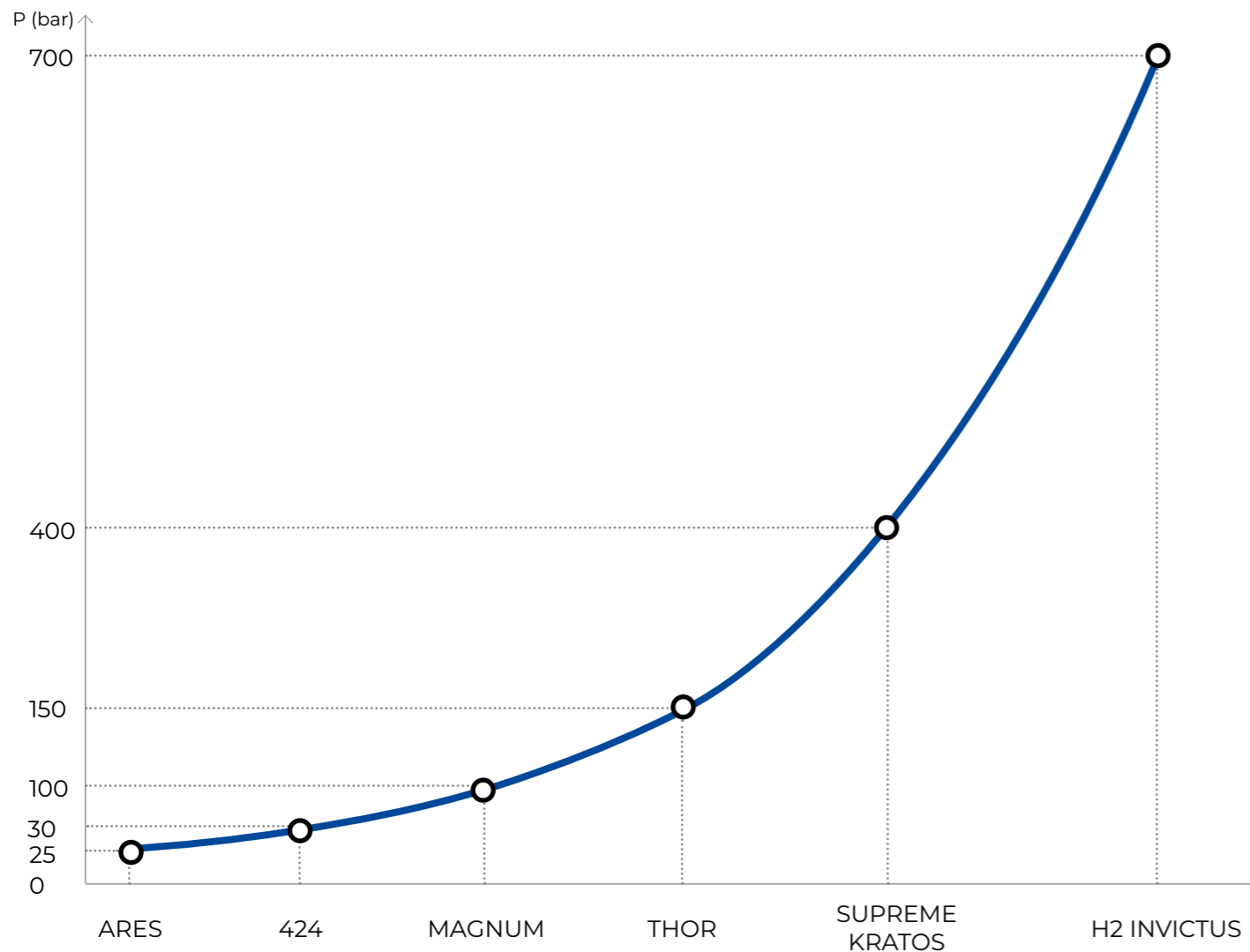


ARES

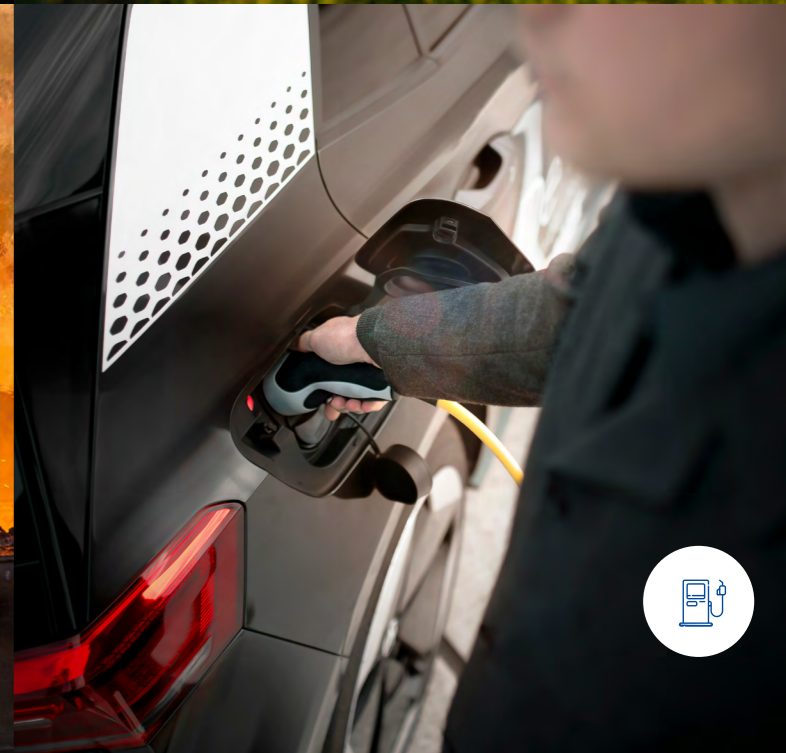
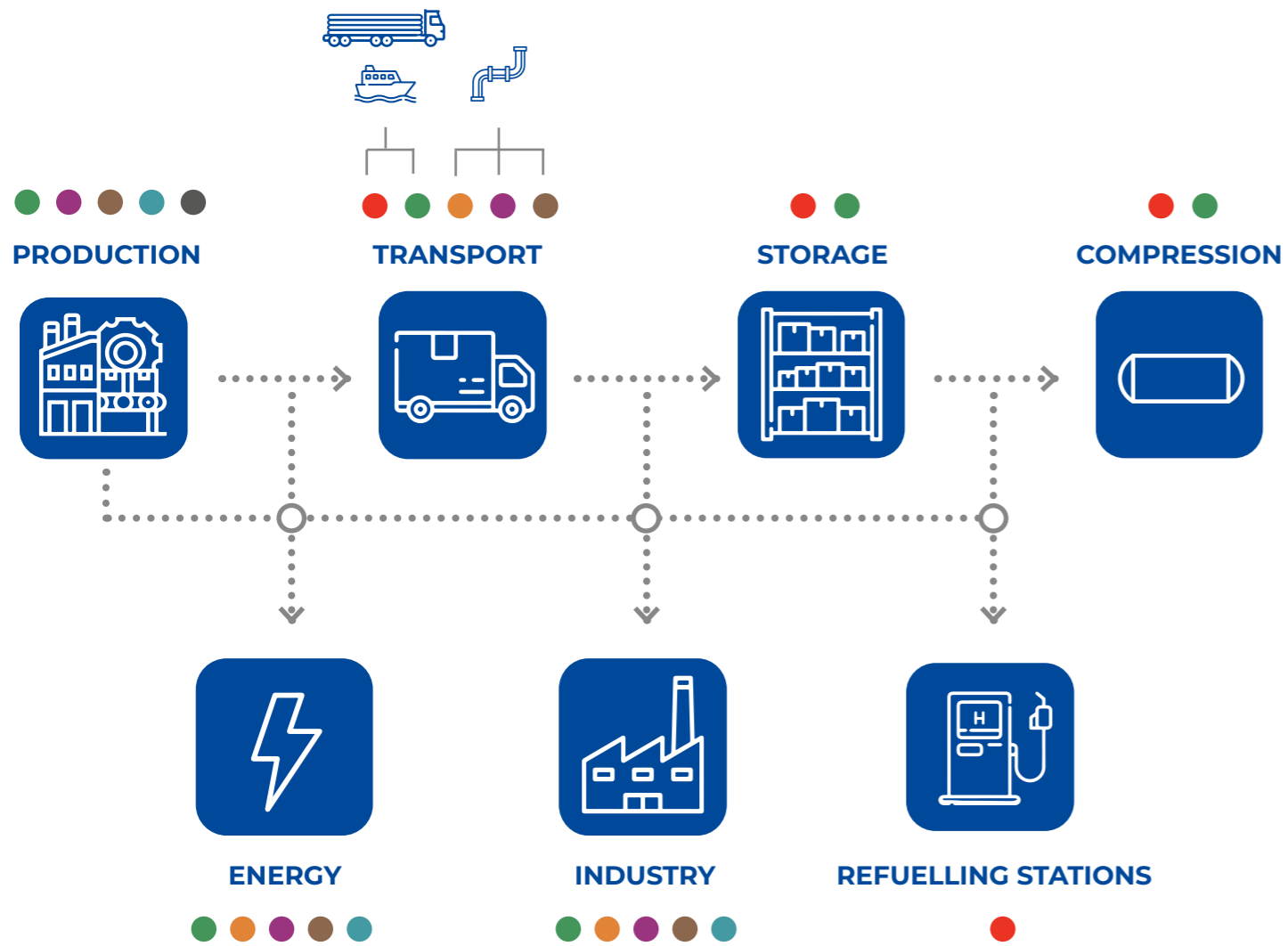
OMAL H₂ HIGH QUALITY SOLUTIONS

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



TECHNICAL DETAILS

H2 INVICTUS

HIGH PRESSURE BALL VALVES



KRATOS

HIGH PRESSURE BALL VALVES



SUPREME

TRUNNION BALL VALVES



THOR

SPLIT BODY FLANGED BALL VALVES



MAGNUM

SPLIT WAFER BALL VALVES



MAGNUM

WAFER BALL VALVES



SPECIFICATIONS	SPECIFICATIONS	SPECIFICATIONS
Size: <ul style="list-style-type: none"> DN 8 ÷ DN 25 [mm] 1/4" ÷ 1" [inch] 	Size: <ul style="list-style-type: none"> DN 8 ÷ DN 50 [mm] 1/4" ÷ 2" [inch] 	Size: <ul style="list-style-type: none"> DN 50 ÷ DN 300 [mm] 2" ÷ 12" [inch]
Body material: <ul style="list-style-type: none"> 316 Stainless steel 	Body material: <ul style="list-style-type: none"> 316 Stainless steel 	Body material: <ul style="list-style-type: none"> Carbon steel Stainless steel
End connections: <ul style="list-style-type: none"> CONE & THREAD NPT (ANSI B1.20.1) 	End connections: <ul style="list-style-type: none"> ISO 228-1 NPT (ANSI B1.20.1) 	End connections: <ul style="list-style-type: none"> Flanged RF / RTJ
Max pressure: <ul style="list-style-type: none"> 700 bar / H50 	Max pressure: <ul style="list-style-type: none"> 414 Bar (varies by size) 6000 PSI (varies by size) 	Pressure class: <ul style="list-style-type: none"> ANSI 150-2500 (varied by size)
Options: <ul style="list-style-type: none"> Stem Extension 	Options: <ul style="list-style-type: none"> BW / SW connection Stem Extension 	Options: <ul style="list-style-type: none"> BW / SW connection
Certifications: <ul style="list-style-type: none"> ISO 19880-3 Ex CE/UKCA 	Certifications: <ul style="list-style-type: none"> TPED Ex CE/UKCA Pressure Equipment CE/UKCA Fugitive Emission rate A SIL (up to SIL3) 	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

SPECIFICATIONS	SPECIFICATIONS	SPECIFICATIONS
Size: <ul style="list-style-type: none"> DN 15 ÷ DN 200 [mm] 1/2" ÷ 8" [inch] 	Size: <ul style="list-style-type: none"> DN 15 ÷ DN 200 [mm] 1/2" ÷ 8" [inch] 	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 CF8M s.s. (CL 150-300) 	Body material: <ul style="list-style-type: none"> A105 Carbon steel 316 Stainless steel 	Body material: <ul style="list-style-type: none"> A105 Carbon steel 316 Stainless steel
End connections: <ul style="list-style-type: none"> Flanged RF (RTJ on request) 	End connections: <ul style="list-style-type: none"> Flanged RF 	End connections: <ul style="list-style-type: none"> Flanged RF
Pressure class: <ul style="list-style-type: none"> ANSI 150-300 ANSI 600; PN 63-100 (DN≤100) ANSI 900-1500 (DN≤50) 	Pressure class: <ul style="list-style-type: none"> ANSI 150-300; PN 16-40 ANSI 600; PN 63-100 (DN≤100) 	Pressure class: <ul style="list-style-type: none"> ANSI 150-300; PN 16-40
Options: <ul style="list-style-type: none"> 3-Ways (DN≤100) Locking device Stem Extension 	Options: <ul style="list-style-type: none"> 3-Ways (DN≤100) Locking device Stem Extension 	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 API6D on request 	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 	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

Transport:

Storage

Compression

Refuelling Stations

Production

Transport:

Storage

Compression

Industry

Energy

Transport:

Industry

Energy

Production

Transport:

Industry

Energy

Production

Transport:

Industry

Energy

Production

Transport:

Industry

Energy



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3 PIECES
BALL VALVES



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"> CF8M / 1.4408 Stainless steel
	End connections: <ul style="list-style-type: none"> ISO 7/1 NPT (ANSI B1.20.1)
	Max pressure: <ul style="list-style-type: none"> 30 bar 435 PSI
	Options: <ul style="list-style-type: none"> BW / SW connection
	Certifications: <ul style="list-style-type: none"> Ex CE/UKCA Pressure Equipment CE/UKCA

Production
Industry
Energy

ARES

PNEUMATIC ANGLE SEAT
VALVES



SPECIFICATIONS

	Size: <ul style="list-style-type: none"> DN 15 ÷ DN 50 [mm] 3/8" ÷ 2" [inch]
	Body material: <ul style="list-style-type: none"> Stainless steel
	End connections: <ul style="list-style-type: none"> NPT (ANSI B1.20.1) ISO 7/1
	Max pressure: <ul style="list-style-type: none"> 25 bar 360 PSI
	Variations: <ul style="list-style-type: none"> Double acting Spring return N.C. - N.O. Manual operated
	Options: <ul style="list-style-type: none"> Namur plate Limit switch box
	Certifications: <ul style="list-style-type: none"> Ex CE/UKCA Pressure Equipment CE/UKCA

Production



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