



FLOWLINE PRODUCTS



FLOW LINE PRODUCTS

PRODUCTS

- ▲ PUP JOINTS
- ▲ CROSSOVERS & SWAGES
- ▲ CROSS
- ▲ ELBOW LONG SWEEP
- ▲ ELBOW 90 DEGREE
- ▲ TEE
- ▲ FLOWLINE BULL & GAGE PLUGS
- ▲ SWIVEL JOINT, LONG RADIUS
- ▲ HAMMER UNIONS
- ▲ PLUG VALVES

PUP JOINTS

NON-PRESSURE SEAL (NPS) - STD

Figure	CWP	Size	ID
1502	15,000 PSI / 1034.2 bar	2"	1.67"



INTEGRAL (IE) - STD

Figure	CWP	Size	ID
602	6,000 PSI / 413.7 bar	2"	1.75"
1002	10,000 PSI / 689.5 bar	2"	1.75"
1502	15,000 PSI / 1034.2 bar	2"	1.75"



INTEGRAL (IE) - STD

Figure	CWP	Size	ID
1502	10,000 PSI / 689.5 bar	2"	1.75"

CROSSOVERS & SWAGES

HAMMER UNION CROSSOVERS - STD

Figure	CWP	Size
602	6,000 PSI / 413.7 bar	2"
1502	15,000 PSI / 1034.2 bar	2"

HAMMER UNION CROSSOVERS - SOUR GAS (H2S)

Figure	CWP	Size
602	6,000 PSI / 413.7 bar	2"
1502	10,000 PSI / 689.5 bar	2"



HAMMER UNION CROSSOVERS - STD

Figure	CWP	Size
602	6,000 PSI / 413.7 bar	2"
1002	10,000 PSI / 689.5 bar	2"
1502	10,000 PSI / 689.5 bar	2"

HAMMER UNION CROSSOVERS - SOUR GAS (H2S)

Figure	CWP	Size
1502	10,000 PSI / 689.5 bar	2"



CROSS

Figure	CWP		Size
	STD PSI/BAR	SG PSI/BAR	
602	6,000 PSI / 413.7 bar	6,000 PSI / 413.7 bar	2"
1502	15,000 PSI / 1034.2 bar	10,000 PSI / 689.5 bar	2"
1502-M	15,000 PSI / 1034.2 bar	10,000 PSI / 689.5 bar	2"



ELBOW LONG SWEEP

Figure	CWP		Size
	STD PSI/BAR	SG PSI/BAR	
602	6,000 PSI / 413.7 bar	6,000 PSI / 413.7 bar	2"
1002	10,000 PSI / 689.5 bar	7,500 PSI / 517.1 bar	2"
1502	15,000 PSI / 1034.2 bar	10,000 PSI / 689.5 bar	2"



ELBOW 90 DEGREE

Figure	CWP		Size
	STD PSI/BAR	SG PSI/BAR	
602	6,000 PSI / 413.7 bar	6,000 PSI / 413.7 bar	2"
1002	10,000 PSI / 689.5 bar	7,500 PSI / 517.1 bar	2"
1502	15,000 PSI / 1034.2 bar	10,000 PSI / 689.5 bar	2"

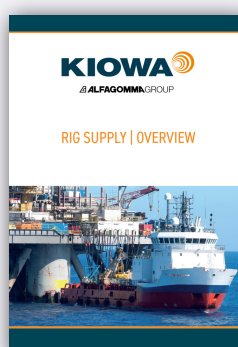


TEE



You can explore our full Alfagomma range of hose and fittings for the offshore industry online through this QR code

You can also use www.kiowa.uk to find out more about our history in offshore, and our other various industries.



**FLOW LINE BULL
& GAGE PLUGS**

FLOW LINE BULL & GAGE PLUGS - STD

Figure	CWP	Size
100	1,000 PSI / 68.9 bar	2"
200	2,000 PSI / 137.9 bar	2"
206	2,000 PSI / 137.9 bar	2"
400	4,000 PSI / 275.8 bar	2"
600	6,000 PSI / 413.7 bar	2"
602	6,000 PSI / 413.7 bar	2"
1002	10,000 PSI / 689.5 bar	2"
1502	15,000 PSI / 1034.2 bar	2"
1002	20,000 PSI / 1379.0 bar	2"

FLOW LINE BULL & GAGE PLUGS - SOUR GAS (H2S)

Figure	CWP	Size
1502	10,000 PSI / 689.5 bar	2"
2202	15,000 PSI / 1342.2 bar	2"



**SWIVEL JOINT
LONG RADIUS**

SWIVEL JOINTS STYLE 10-50

Figure	CWP	Size
1002	10,000 PSI / 689.5 bar	2"
1502	15,000 PSI / 1034.2 bar	2"



HAMMER UNIONS

Kiowa supply an array of Hammer Unions. API line pipe threads are standard, and Butt Weld Ends and Socket Weld Ends can also be provided.

SOUR SERVICES

Products for Sour Services are available and all H2S Service parts of unions manufactured by us conform to the latest NACE specifications. Unions for Low Temperature Service can be supplied with suitable impact value testing.

5



HAMMER UNION, FIG 100,
THREADED ENDS, STD. SERVICE



HAMMER UNION, FIG 50



HAMMER UNION, FIG 1003



HAMMER UNION, FIG 2202,
BW H2S. SERVICE



HAMMER UNION, FIG 1502



BLANKING CAP, FIG 207



HAMMER UNION, FIG 400

Assembly Colour Key For Standard Service		Pressure Rating (psi)				Nominal Pipe Size (in mm.)											
		Standard Service		Sour Gas Service		1	1 ^{1/4}	1 ^{1/2}	2	2 ^{1/2}	3	4	5	6	8	10	12
		Cold Working	Test	Cold Working	Test	25	32	40	50	65	80	100	125	150	200	250	300
50		500	750	NA	NA							✓	✓				
100		1000	1500	NA	NA				✓	✓	✓	✓		✓	✓		
200		2000	3000	NA	NA	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	
206		2000	3000	NA	NA	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	
207		2000	3000	NA	NA						✓	✓		✓			
211		2000	3000	NA	NA		✓	✓	✓	✓	✓	✓					
400		2500	3750	2500	3750									✓	✓		✓
400		4000	6000	4000	6000				✓	✓	✓	✓					
300		6000	9000	NA	NA	✓		✓	✓	✓	✓	✓					
602		6000	9000	6000	9000	✓	✓	✓	✓	✓	✓	✓	✓				
1002		10000	15000	7500	12000	✓	✓	✓	✓	✓	✓	✓	✓				
1003		10000	15000	7500	12000				✓		✓	✓					
1502		15000	22500	10000	10000	✓			✓		✓	✓					
2002		20000	30000	NA	NA				✓		✓	✓					
2202		NA	NA	15000	22500				✓		✓	✓					

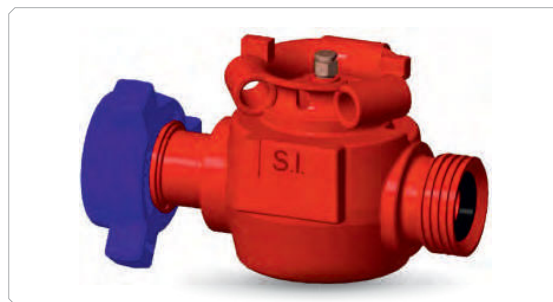
PLUG VALVES



FEATURES

- || Size : 2 x 1, 2 x 2, 3 x 3 in
- || Standard service is used up to 15,000psi and tested at 22,500psi
- || Rugged construction with forged alloy steel body
- || Standards and H2S service
- || Reliable performance at high working pressure
- || Bottom entry design and easy maintenance
- || Valve parts are interchangeable with major design
- || MTR and test reports are available at any time
- || All API 6A material class available
- || Suitable for variety of high pressure applications such as fracturing, cementing, acidizing, and others
- || Each valve is serialised and pressure tested at 1.5 times NSCWP

TOP ENTRY OPTION AVAILABLE



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