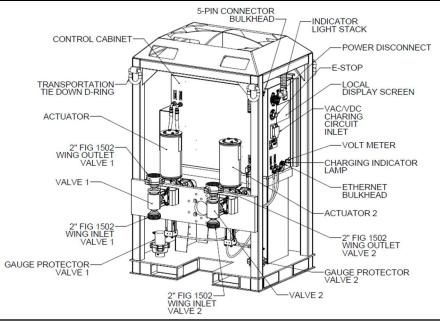
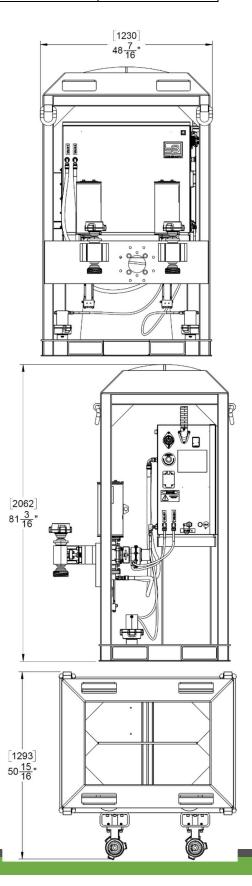


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Unit Specifications		
Max. Allow Working Pressure Rating	10,000psi	
Pressure Accuracy	99.9%	
Close Time	0.5 sec	
Open Time	0.4 sec	
Power Source, Primary Battery, Charging	24VDC, 90-264 VAC Single Phase	
Standard Power Connection	3 Pin	
Standard Choke Size	5/8"	
Number of Mud Pressure Transducers	6	
Number of Valves	2	
Number of Actuators	2	
Height of Skid	81 3/16"	
Width of Skid	48 7/16'	
Depth of Skid	51 1/8"	
Weight	2500lbs	
Tempetrure Range	-20F – 200F	
Remote Monitoring & Valve Control	HMI Touchscreen	
Max Recommended HMI Cable Length	500'	
Programmable Pressure Setting	Yes	
Recommended Set Pressure to Reset Pressure	2,500psi [Minimum Delta]	
Standard Data Recording Frequency	1.0 sec	
Capability to Adjust Data Recording Fequency	Yes [Custom Program]	
Electronic Drilling Recorder Tie-In Capable	Yes	
Additional Iron	Not Included	
Recommended Placement on Drill Site	Backyard	
Min. Press Sensor Distance from Mud Pumps	30' [Linear Pipe]	

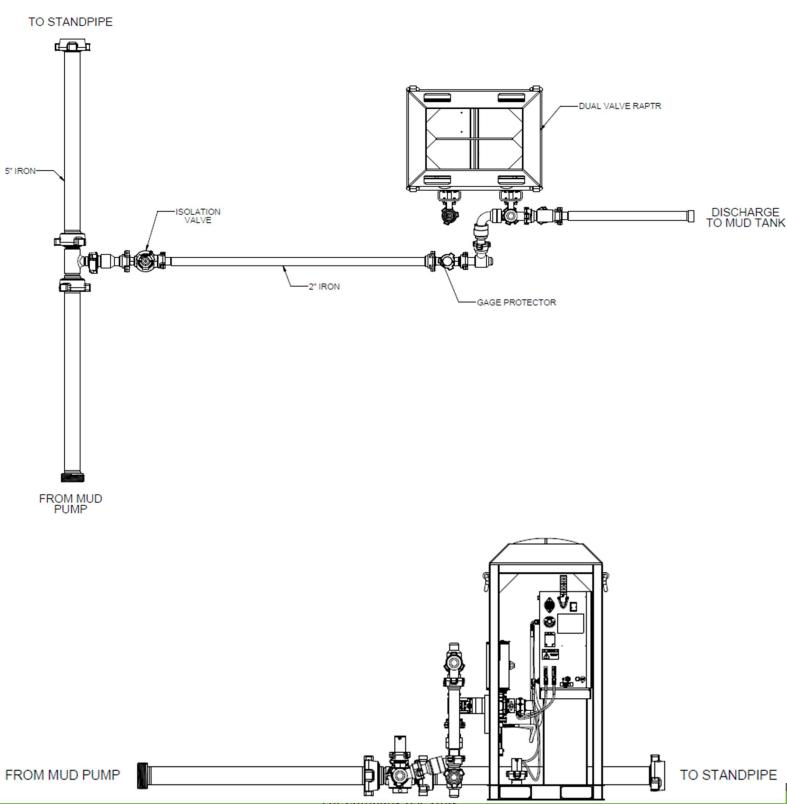






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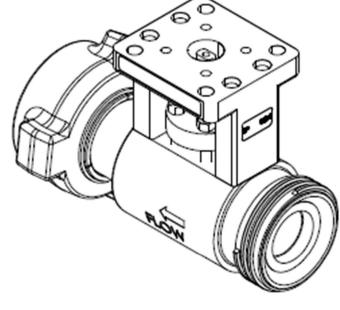
SAMPLE RIG-UP:

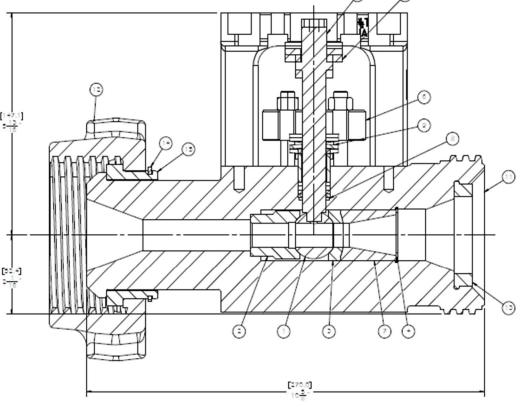




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Valve Specifications		
Size	2"	
Туре	Ball	
System Max. Allow Working Pressure Rating	10,000psi	
Length	10.63"	
Weight	45lbs	
Connection Type	1502 hammer union	
Orientation	Vertical	



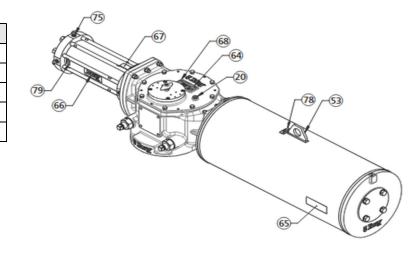


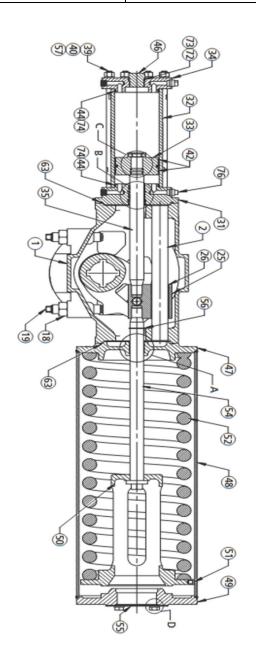
ITEM	DESCRIPTION	QTY.
1	BALL	1
2	DOWNSTRTEAM SEAT	1
3	UPSTREAM SEAT	1
4	RETAINING RING	1
5	STEM	1
6	BRACKET ASSEMBLY	-
7	ORIFICE SLEEVE	1
8	AE RING	1
9	LIVE LOADING	2
10	STEM BEARING	1
11	VALVE BODY	1
12	2" 1502 HAMMER UNION NUT	1
13	ANTI EXTRUSION SEAL, 2" FIG 1502	1
14	RETAINING RING, 2" FIG 1502	1
15	RETAINER SEGMENT, 2" FIG 1502 NUT	0



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Actuator Specifications	
Туре	Hydraulic
Pressure Rating	2135 psig
Length	36.9"
Weight	117 lbs
Orientation	Vertical





Item	Description	Material	Qty
1	Yoke Housing	Ductile Iron	1
2	Guide Rod Alloy	Steel	1
3	Housing Cover	Ductile Iron	1
4**	Bushing (Yoke)	PTFE Bronze	2
5*	O-Ring (Yoke)	Buna-N	2
6*	O-Ring (Cover)	Buna-N	1
7	Top Cover	Ductile Iron	1
8*	O-Ring (Top Cover)	Buna-N	1
9**	Flanged Bushing	PTFE Bronze	1
10*	O-Ring (Accessory Drive)	Buna-N	1
11	Accessory Drive	Stainless Steel	1
12	Hex Bolt	Steel	8
13	Spring Washer	Spring Steel	8
14	Set Screw, Socket Head	Steel	2
15	Dowel Pin	Hardened Steel	4
16	Socket Head Caps Screw	Steel	4
17	Socket Head Caps Screw,	Steel	1
.,	Low Head	oteer	Ψ.
18	Seal Nut	Steel	2
19	Stop Bolt	Steel	2
20	Breather Vents Carbon	Steel	1
21	Yoke	Ductile Iron	1
22**	Slider Block	Bronze	2
22a**	Roller	Steel	2
23	Yoke Pin	Alloy Steel	1
24	Retainer Plate	Plastic	2
25	Guide Block	Carbon Steel	1
26**	Bushing (Guide Rod)	PTFE Bronze	2
27**	Bushing (Yoke Pin)	PTFE Bronze	2
28	Cap Screw, Flat Head, Hex Socket	Steel	8
29	Position Indicator	Plastic	1
30	Cap Screw, Flat Head, Hex Socket	Steel	1
31	Adaptor, Pressure Module	Carbon Steel	1
32	Barrel	Carbon Steel	1
33	Piston	Alloy Steel	1
34	End Cap, Pressure Module	Carbon Steel	- 1
35	Piston Rod	Alloy Steel	1
36*	Guide Ring, Piston Rod	Phenolic Resin	2
37°	Lip Seal	Polyurethane	1
38*	Sealing Set, Piston Rod	PTFE & Buna-N	1
39	Tie Rod	Alloy Steel	8
40	Nut, Tie Rod	Steel	8
41*	O-Ring (Piston Rod)	Buna-N	1

Item	Description	Material	Qty
42*	Guide Ring, Piston	Phenolic Resin	2
43*	Sealing Set, Piston	PTFE & Buna-N	1
44*	O-Ring (Barrel)	Buna-N	2
45	Set Screw, Piston Lock	Steel	2
46	End Plug	Steel	1
47	Adaptor, Spring Module	Carbon Steel	1
48	Pipe Carbon	Steel	1
49	End Cap, Spring Module	Carbon Steel	1
50	Spring Guide	Carbon Steel	1
51	Button	Plastic	9
52	Spring, Compression	Alloy Steel	1
53	Lifting Lug	Carbon Steel	1
54	Spring Rod	Alloy Steel	1
55	End Cover	Carbon Steel	1
56	Retainer Ring	Stainless Steel	1
57	Spring Washer	Spring Steel	12
58	Hex Bolt	Steel	4
59*	O-Ring (End Cover)	Buna-N	1
60	Stud / Hex Bolt (Module)	Steel	12
61	Nut (Module)	Steel	12
62	Spring Washer (Module)	Spring Steel	12
63*	O-Ring (Module)	Buna-N	2
64	Name Plate	Stainless Steel	1
65	Label, Caution	Metallized Polyester	1
66	Label, Logo	Metallized Polyester	2
67	Label, Configuration	Metallized Polyester	1
68	Rivets	Stainless Steel	4
69**	Bushing (Adaptor)	PTFE Bronze	1
70°	Wiper	Polyurethane	1
71*	Backup Ring (Piston Rod)	PTFE	2
72*	O-Ring (End Plug)	Buna-N	1
73°	Backup Ring (End Plug)	PTFE	1
74*	Backup Ring (Barrel)	PTFE	2
75	Pipe Plug	Carbon Steel	4
76	Protective Plug	Plastic	2
78	Label, Lifting	Metallized Polyester	1
79	Label, Venting	Metallized Polyester	1

* & ** Parts in Repair Kits