

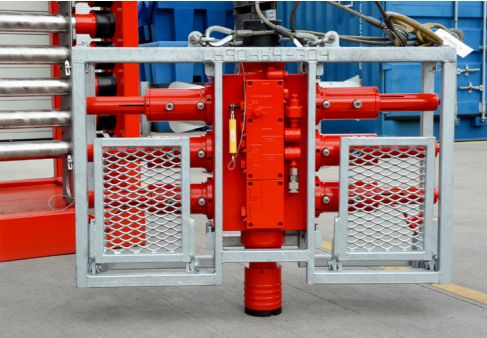


Elmar Electric Line Pressure Control Equipment Rig Up

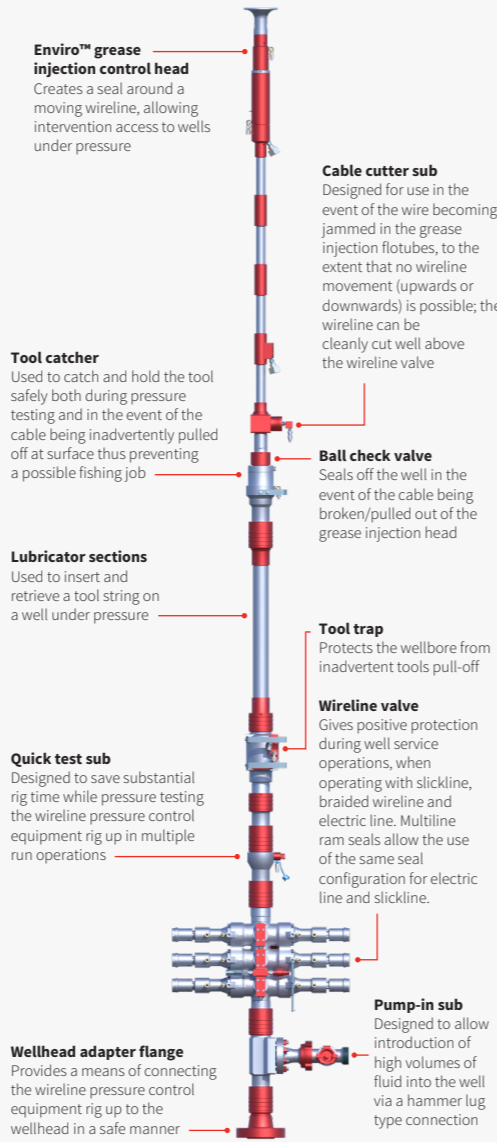
Buying quality equipment is the best way to cut costs and maximize safety. Our range of wireline pressure control equipment (WPCE) is carefully engineered, manufactured, thoroughly tested, and third-party certified with relevant API standards. Attention to detail in design and manufacturing ensures that your equipment is safe, easy to rig up, reliable, requires minimal servicing, and has a long operational life. You'll benefit from low cost of ownership with long asset life when using Elmar™ WPCE.

Engineered using the latest finite element analysis techniques and rigorously tested, our standard products range from simple 3,000 psi rated open-hole pack offs to 20,000 psi rated pressure control strings. In addition, we can provide bespoke equipment up to 30,000 psi—the highest rated wireline pressure control equipment in the world.

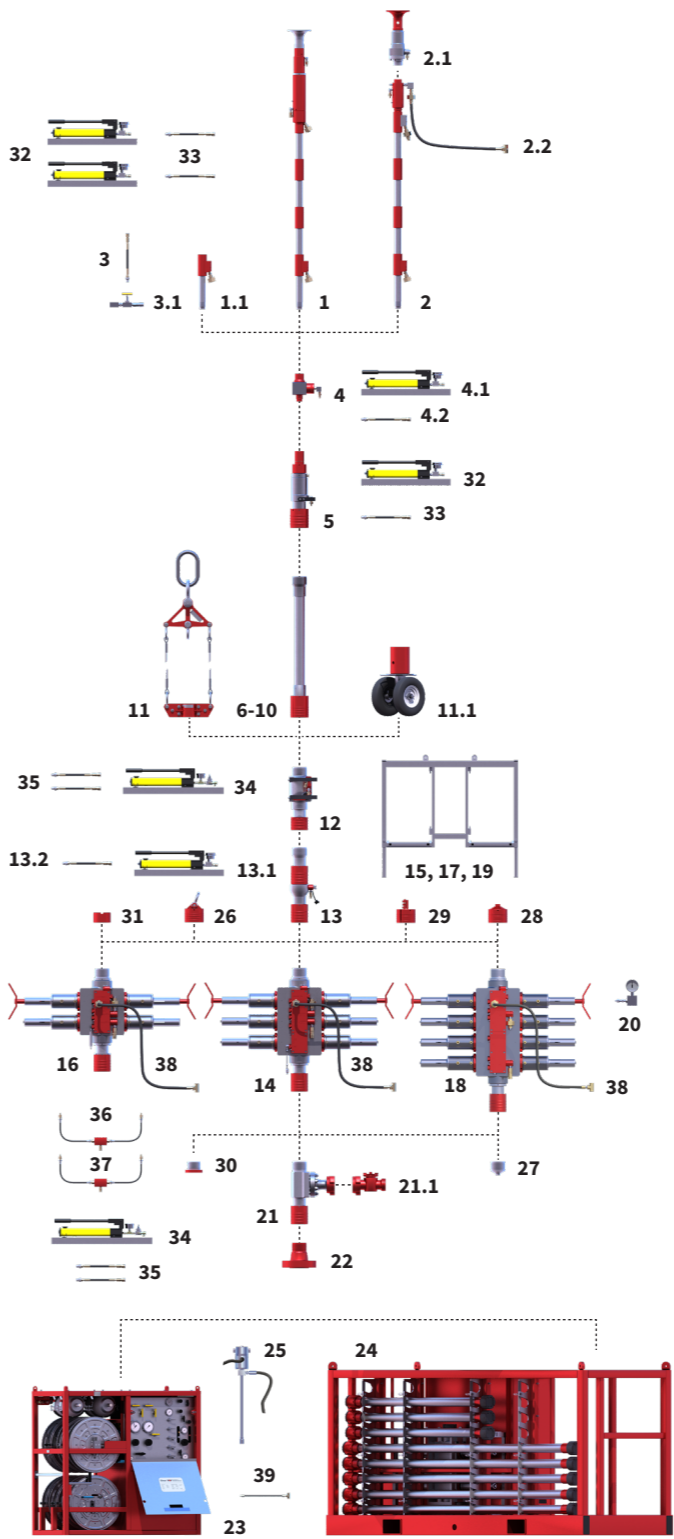
We have the solution for all of your wireline intervention needs for eline or braided-line operations. Our comprehensive range of cased-hole equipment is available from 5,000- to 20,000-psi working pressure ratings and for standard or H₂S service. Inside diameters range from 2½ all the way to 9 in. Expertly engineered and rigorously tested, we always bring you quality and reliability as standard.



Our pressure control equipment is fully traceable and certified by independent authorities to the relevant design guidelines and manufacturing standards. We provide access to your certification and operational data packs worldwide and around the clock, keeping operations moving wherever you are in the world.



Typical Elmar Electric Line Pressure Control Rig-Up



*Not required when grease and hydraulic control module is purchased. Equipment supplied with thread protectors. Wire size to be specified when ordering.

Item	Description
1	Enviro stuffing box, line wiper, and grease head with concentric flow tubes
1.1	Extra injection coupling and flotube for dual injection
2	Grease injection control head with concentric flow tubes
2.1	Hydraulic line wiper with cable guide
2.2	Low pressure waste grease hose x 120-ft (from line wiper) 3,500-psi WP
3	Grease hose ½ in. x 120-ft long with hex unions*
3.1	Flow control manifold*
4	Integral grease head cable cutter sub for cutting cable up to 1½ in.
4.1	Hand pump assembly for cable cutter sub
4.2	Hose assembly ¼ in. x 100-ft long with quick connections
5	Combination hydraulic tool catcher/ball check valve
6	Lubricator section with quick unions, 4-ft long
7	Lubricator section with quick unions, 5-ft long
8	Lubricator section with quick unions, 6-ft long
9	Lubricator section with quick unions, 8-ft long
10	Lubricator section with quick unions, 10-ft long
11	Lubricator lifting clamp, spreader beam, and wire rope slings
11.1	Lubricator dolly with quick union
12	Hydraulic tool trap with external indicator
13	Quick test sub
13.1	Hand pump assembly for quick test sub
13.2	Hose assembly ¼ in. x 25-ft long with quick connections
14	Triple hydraulic wireline valve
15	Galvanized triple wireline valve cage
16	Dual hydraulic wireline valve
17	Galvanized dual wireline valve cage
18	Quad hydraulic wireline valve
19	Galvanized quad wireline valve cage
20	Wireline valve manifold gauge
21	Pump-in sub with (1) 2-in.-1502 side outlet
21.1	Plug valve 2-in.-1502 Weco male x female
22	Wellhead adapter flange
23	5-Series triple-wireline valve grease and hydraulic control module
24	5-Series mainframe
25	Grease transfer pump 4:1 ratio
26	Lifting bail
27	Test cap/stump
28	Test plug and collar
29	Safety flow diverter valve and wire clamp
30	Male thread protector (spare)
31	Female thread protector (spare)
32	Line wiper, stuffing box or tool catcher hand pump*
33	Hydraulic hose ¼ in. x 100-ft long with quick couplings*
34	Tool trap or wireline valve hand pump *
35	Hydraulic hose ¼ in. x 50-ft long with quick couplings*
36	“Y” hose, wireline valve open*
37	“Y” hose, wireline valve close*
38	Low-pressure waste grease hose x 60-ft long (from wireline valve) 3,500-psi WP
39	Low-pressure waste grease hose x 60-ft long (from module) 3,500-psi WP