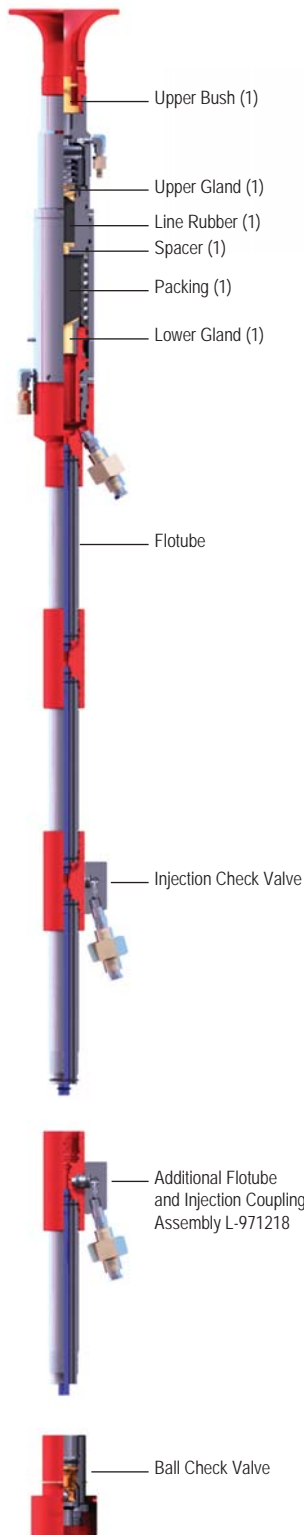


Enviro™ Wireline Grease Injection Control Head



The Elmar Enviro™ Grease Injection Control Head is designed to create a seal around a moving wireline, allowing intervention access to wells under pressure.



Note: Parts included in Line Size Kit (1). Seal Kit (O-Ring and BURs) does not include Line Size Kit Parts.

Positioned at the uppermost point of the pressure control equipment string, the Elmar Enviro™ Grease Injection Control Head comprises two major sub-assemblies, the Enviro™ Combination Stuffing Box and Line Wiper and the Flotube Assembly.

The hydraulic stuffing box is designed to pack-off on a stationary wireline by means of a pack-off rubber, the hydraulic line wiper will wipe excess grease from a moving wireline.

Two types of flotube assemblies are available, the "solid" type and the "concentric" type, as described in this data sheet. The concentric flotube assembly is made up of an inner flotube sized to fit tightly around the wireline and an outer sleeve to support the assembly.

To prepare for operations, the wireline is threaded through the components of the Elmar Enviro™ Grease Injection Control Head before the rope socket and wireline head are made-up.

When entering a well under pressure, viscous grease is injected into the flotubes at a pressure greater than the existing well pressure. The grease fills the annular space between the inner wall of the flotube and the outside surface of the wireline, forming a liquid seal that contains the well fluids while allowing wireline movement.

The Elmar Enviro™ Grease Injection Control Head is supplied with a pin threaded connection on bottom and a wire tulip guide on top.

When changing line size, a different line size kit is needed for the Enviro™ Combination Stuffing Box and Line Wiper, identified by the line size code letter. See next page for details.

Recommended flotube clearance + 0.003" to 0.008".

The bottom connection can be mated to a quick-union, or a ball check valve/tool catcher combination.

PART NUMBERS

Part Number	No. of Flotubes	Working Pressure	Srv.	Bottom Connection	Top Connection	Seal Kit
L-971443	3	10,000 psi	H ₂ S	2"-10TPI Acme Pin	Wire Tulip Guide	L-971443K
L-971444	4	10,000 psi	H ₂ S	2"-10TPI Acme Pin	Wire Tulip Guide	L-971444K
L-971445	5	10,000 psi	H ₂ S	2"-10TPI Acme Pin	Wire Tulip Guide	L-971445K
L-971446	6	10,000 psi	H ₂ S	2"-10TPI Acme Pin	Wire Tulip Guide	L-971446K
L-971218	1	10,000 psi	H ₂ S	2"-10TPI Acme Pin	2"-10TPI Acme Box	L-971218K

ORDERING INFORMATION

Part number of Grease Injection Control Head (from table above)

Line size (Kit) to be specified - L972039* L (see table on next page)

Flotube size to be specified (see table on next page)

If dual injection is required, order separately (qty 1) L-971218 in addition to the standard grease head with 1 x manifold

TEST FIXTURE

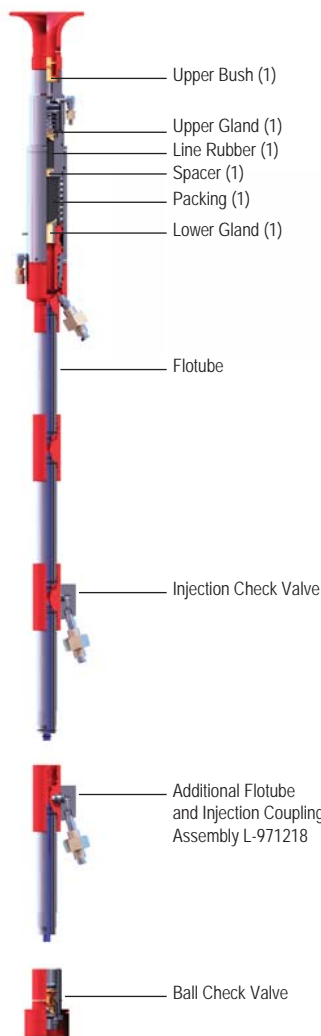
Part Number	Description
L-972201	Test Plug (dummy packer) for Stuffing Box
L-972241	Test Spacer for Line Wiper
L-972264	Test Cap 2"-10TPI Box for Flotube/sleeve connection

ACCESSORIES

Part Number	Description
L-981444D179IG	Flotube Go-NoGo gauge for Flotube L-981444D179

Note: For go-nogo inspection gauge part number, add "IG" to the flotube part number. For example L-981444D179IG would be the go-nogo gauge for flotube L-981444D179. See reverse for options.

Enviro™ Wireline Grease Injection Control Head Continued



Note: Parts included in Line Size Kit (1). Seal Kit (O-Ring and BURs) does not include Line Size Kit Parts.

ORDERING TABLE

*Line Size Code	Line Size	Stuffing Box Packing	Line Wiper Rubber	Flotube I.D.	Flotube	Gauge
B	3/16" 0.188" (1-18)	L-870232	L-831140	0.179	L-981444D179	L-981444D179IG
				0.183	L-981444D183	L-981444D183IG
				0.186	L-981444D186	L-981444D186IG
				0.189	L-981444D189	L-981444D189IG
				0.193	L-981444D193	L-981444D193IG
				0.196	L-981444D196	L-981444D196IG
				0.199	L-981444D199	L-981444D199IG
				0.201	L-981444D201	L-981444D201IG
				0.204	L-981444D204	L-981444D204IG
				0.216	L-981444D216	L-981444D216IG
				0.219	L-981444D219	L-981444D219IG
				0.222	L-981444D222	L-981444D222IG
				0.224	L-981444D224	L-981444D224IG
				0.226	L-981444D226	L-981444D226IG
				0.228	L-981444D228	L-981444D228IG
				0.231	L-981444D231	L-981444D231IG
				0.232	L-981444D232	L-981444D232IG
C	7/32" 0.219" (1-20) (1-22) (2-23)	L-972200	L-831150	0.235	L-981444D235	L-981444D235IG
				0.236	L-981444D236	L-981444D236IG
				0.239	L-981444D239	L-981444D239IG
				0.240	L-981444D240	L-981444D240IG
				0.243	L-981444D243	L-981444D243IG
				0.248	L-981444D248	L-981444D248IG

ORDERING TABLE

*Line Size Code	Line Size	Stuffing Box Packing	Line Wiper Rubber	Flotube I.D.	Flotube	Gauge
D	1/4" 0.250"	L-972200	L-831150	0.254	L-981444D254	L-981444D254IG
				0.256	L-981444D256	L-981444D256IG
				0.258	L-981444D258	L-981444D258IG
				0.260	L-981444D260	L-981444D260IG
				0.261	L-981444D261	L-981444D261IG
				0.262	L-981444D262	L-981444D262IG
				0.263	L-981444D263	L-981444D263IG
				0.264	L-981444D264	L-981444D264IG
				0.287	L-981444D287	L-981444D287IG
				0.289	L-981444D289	L-981444D289IG
				0.291	L-981444D291	L-981444D291IG
				0.292	L-981444D292	L-981444D292IG
				E	9/32" 0.281"	L-978180
0.295	L-981444D295	L-981444D295IG				
0.298	L-981444D298	L-981444D298IG				
0.306	L-981444D306	L-981444D306IG				
0.312	L-981444D312	L-981444D312IG				
0.315	L-981444D315	L-981444D315IG				
0.316	L-981444D316	L-981444D316IG				
0.319	L-981444D319	L-981444D319IG				
0.321	L-981444D321	L-981444D321IG				
0.326	L-981444D326	L-981444D326IG				
0.328	L-981444D328	L-981444D328IG				
0.329	L-981444D329	L-981444D329IG				
0.332	L-981444D332	L-981444D332IG				
F	5/16" 0.312" (1-32)	L-972210	L-831130	0.335	L-981444D335	L-981444D335IG
				0.337	L-981444D337	L-981444D337IG
				0.341	L-981444D341	L-981444D341IG
				0.366	L-981444D366	L-981444D366IG
				0.373	L-981444D373	L-981444D373IG
				0.376	L-981444D376	L-981444D376IG
				0.384	L-981444D384	L-981444D384IG
				0.394	L-981444D394	L-981444D394IG
				0.397	L-981444D397	L-981444D397IG
				0.399	L-981444D399	L-981444D399IG
				0.404	L-981444D404	L-981444D404IG
				0.407	L-981444D407	L-981444D407IG
				0.408	L-981444D408	L-981444D408IG
G	3/8" 0.375"	L-972220	L-831005	0.410	L-981444D410	L-981444D410IG
				0.411	L-981444D411	L-981444D411IG
				0.413	L-981444D413	L-981444D413IG
				0.416	L-981444D416	L-981444D416IG
				0.423	L-981444D423	L-981444D423IG
				0.425	L-981444D425	L-981444D425IG
				0.427	L-981444D427	L-981444D427IG
				0.430	L-981444D430	L-981444D430IG
				0.433	L-981444D433	L-981444D433IG
				0.436	L-981444D436	L-981444D436IG
				0.439	L-981444D439	L-981444D439IG
				0.442	L-981444D442	L-981444D442IG
				0.465	L-981444D465	L-981444D465IG
0.467	L-981444D467	L-981444D467IG				
H	7/16" 0.438" (7-42)	L-972230	L-830056	0.470	L-981444D470	L-981444D470IG
				0.472	L-981444D472	L-981444D472IG
				0.477	L-981444D477	L-981444D477IG
				0.479	L-981444D479	L-981444D479IG
				0.481	L-981444D481	L-981444D481IG
				0.483	L-981444D483	L-981444D483IG
				0.488	L-981444D488	L-981444D488IG
				0.490	L-981444D490	L-981444D490IG
				0.501	L-981444D501	L-981444D501IG
				0.504	L-981444D504	L-981444D504IG
				0.523	L-981444D523	L-981444D523IG
				0.525	L-981444D525	L-981444D525IG
				0.527	L-981444D527	L-981444D527IG
J	15/32" 0.469" (7-46)	L-976295	L-831270	0.529	L-981444D529	L-981444D529IG
				0.537	L-981444D537	L-981444D537IG

Note: Cable grouping is for guidance only.