

ON-LINE LEAK REPAIR INJECTORS

Bulletin No: 160901ERX1
Version: 02.2017 REVA



PRODUCT DESCRIPTION

EngRx manufactures precision injection valves capable of withstanding extreme pressure ratings. Each valve is engineered for both performance and safety.

EngRx On-Line Leak Repair Injectors feature low pass-by to ensure safe installation and operation. Fully engineered in compliance to ASME code, all EngRx injectors are manufactured under a registered pressure fitting quality program and are 100% inspected. Injectors are shipped with a Certificate of Conformance and are traceable back to material and manufacturing records.

Canadian Registration Number (CRN), Nationally Approved

FEATURES

- Threaded nose and injection gun ports available in NPT and UNC thread forms
- Sealant port: 1/8" (3.2mm)
- Wrench Sizes: Hex Body: 7/8 Hex Stem: 5/8
- Pressure/Temperature ratings are shown on page 3

OPTIONS

STEM OPTION 1
STANDARD STEM VALVE



STEM OPTION 2
LOW PROFILE STEM VALVE



BODY OPTION 1
STANDARD NOSE BODY



BODY OPTION 2
EXTENDED NOSE BODY

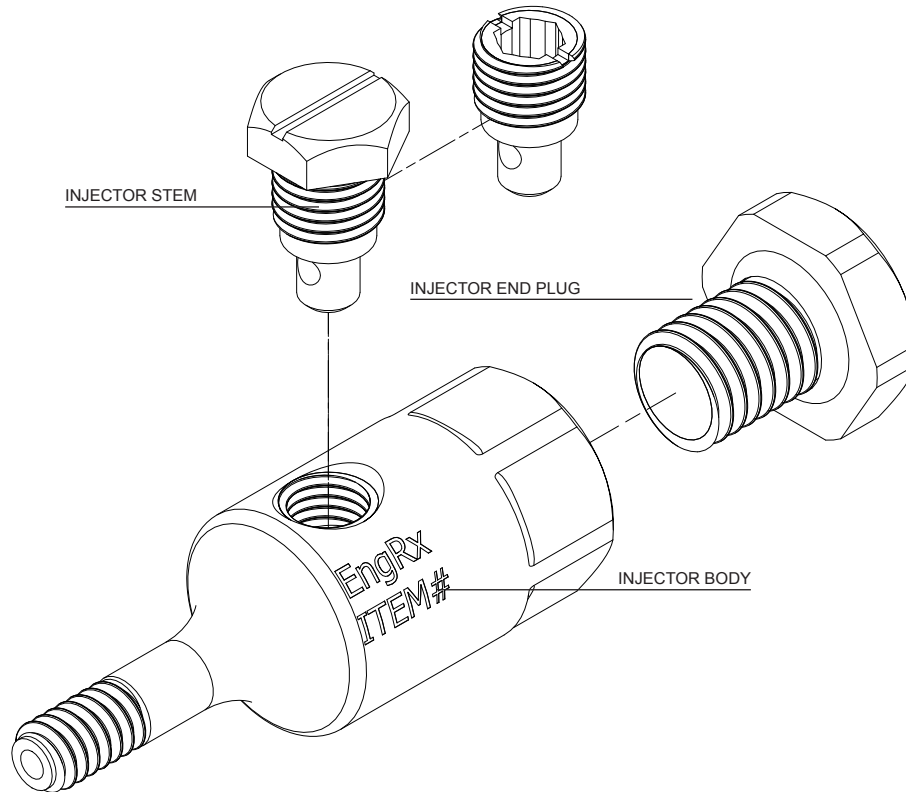


BODY OPTION 3
ULTRA EXTENDED NOSE BODY

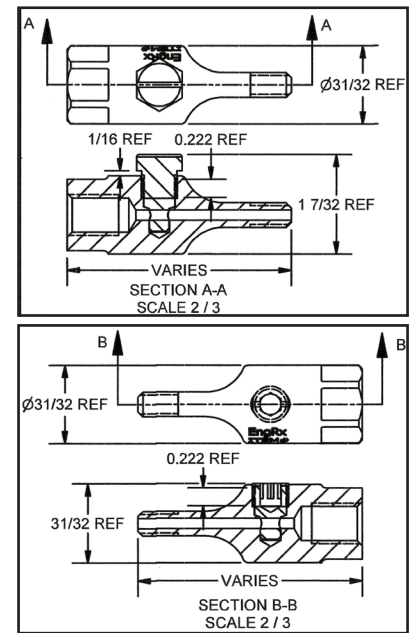


TECHNICAL INFORMATION

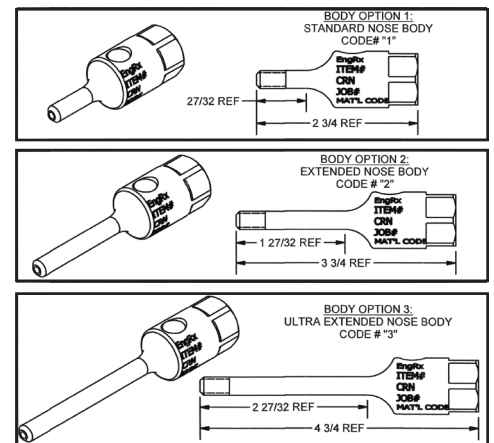
EngRx On-Line Leak Repair Injectors include a wide variety of body types and are customized for most applications. Various materials, lengths, stem styles, inlet thread styles, nose thread styles and end plug styles simplify mounting.



CLEARANCE



LENGTH OPTIONS



ORDERING INFORMATION

Use the various codes provided below to create your unique part number.

For example, an injector with a low profile stem, extended length, 1/4 NPT inlet thread, 1/8 NPT nose thread, with a hex end plug manufactured in SA-240 GR 316H steel, the code reads as follows:

PART #: 160901ERX1 - L - 2 - N - C - 316H - 1

STEM CODE LENGTH CODE INLET THREAD CODE NOSE THREAD CODE MATERIAL CODE END PLUG CODE

STEM CODES		LENGTH CODES		INLET THREAD CODES		NOSE THREAD CODES		MATERIAL CODES		END PLUG CODES	
CODE#	STEM	CODE#	SIZE	CODE#	THREAD	CODE#	THREAD	CODE#	MATERIAL	CODE#	STEM
S	STANDARD	1	STANDARD	U	1/2-13 UNC	A	5/16-18 UNC	B7	SA-193 GR B7	0	NO PLUG
L	LOW PROFILE	2	EXTENDED	N	1/4 NPT	B	3/8-16 UNC	316	SA-479 GR 316	1	HEX PLUG
		3	ULTRA EXTENDED			C	1/8 NPT	316H	SA-240 GR 316H		
						D	1/4 NPT	304	SA-479 GR 304		
								304H	SA-479 GR 304H		

PRESSURE & TEMPERATURE RATINGS

Manufactured in both carbon and stainless steel, EngRx On-Line Leak Repair Injectors are designed to withstand some of the harshest environmental pressures and temperatures. Use the charts below to determine the pressure and temperature requirements for each injector.

CARBON STEEL						
GRADE	DESIGN TEMPERATURE (°F)	DESIGN TEMPERATURE (°C)	DESIGN PRESSURE (PSI)	DESIGN PRESSURE (kPa)	MDMT (°F)	MDMT (°C)
B7	UP TO 700	UP TO 371	8,375	57,743	-55	-48
B7	750	398	7,900	54,468	-55	-48
B7	800	426	7,000	48,263	-55	-48
B7	850	454	5,400	37,231	-55	-48
B7	900	482	4,175	28,785	-55	-48
B7	950	510	2,850	19,650	-55	-48
B7	1,000	537	1,500	10,342	-55	-48

STAINLESS STEEL						
GRADE	DESIGN TEMPERATURE (°F)	DESIGN TEMPERATURE (°C)	DESIGN PRESSURE (PSI)	DESIGN PRESSURE (kPa)	MDMT (°F)	MDMT (°C)
304 316	UP TO 100	UP TO 37	6,700	46,194	-320	-196
304 316	200	93	6,700	46,194	-320	-196
304 316	300	148	6,325	43,609	-320	-196
304 316	400	204	6,125	42,230	-320	-196
304 316	500	260	5,850	40,334	-320	-196
304 316	600	315	5,550	38,265	-320	-196
304 316	650	343	5,425	37,404	-320	-196
304 316	700	371	5,275	36,369	-320	-196
304 316	750	398	5,175	35,680	-320	-196
304 316	800	426	5,075	34,990	-320	-196
304 316	850	454	4,990	34,404	-320	-196
304 316	900	482	4,890	33,715	-320	-196
304 316	950	510	4,795	33,060	-320	-196
304H 316H	1,000	537	4,690	32,336	-320	-196
304H 316H	1,050	565	4,150	28,613	-320	-196
304H 316H	1,100	593	3,275	22,580	-320	-196
304H 316H	1,150	621	2,575	17,754	-320	-196
304H 316H	1,200	648	2,025	13,961	-320	-196
304H 316H	1,250	676	1,575	10,859	-320	-196
304H 316H	1,300	704	1,225	8,446	-320	-196
304H 316H	1,350	732	970	6,687	-320	-196
304H 316H	1,400	760	770	5,308	-320	-196
304H 316H	1,450	787	570	3,930	-320	-196
304H 316H	1,500	815	435	2,999	-320	-196