

Part Number	NOMINAL LENGTH	OVERALL LENGTH	TOLERANCE
LT22X	36 in [914.4 mm]	40.03 in [1016.8 mm]	± 0.25
LT22X - 048	48 in [1219.2 mm]	52.03 in [1321.6 mm]	± 0.25
LT22X - 060	60 in [1524.0 mm]	64.03 in [1626.4 mm]	± 0.25
LT22X - 072	72 in [1828.8 mm]	76.03 in [1931.2 mm]	± 0.25
LT22X - 084	84 in [2133.6 mm]	88.03 in [2236.0 mm]	± 0.25
LT22X - 096	73 in [1828.8 mm]	100.03 in [2540.8 mm]	± 0.25
LT22X - 108	108 in [2743.2 mm]	112.03 [2845.6 mm]	± 0.25
LT22X - 120	120 in [3048.0 mm]	124.03 in [3150.4 mm]	± 0.25
LT22X - 132	132 in [3352.8 mm]	136.03 in [3455.2 mm]	± 0.25
LT22X - 140	144 in [3657.6 mm]	148.03 in [3760.0 mm]	± 0.25
LT22X - 156	156 in [3962.4 mm]	160.03 in [4064.8 mm]	± 0.25
LT22X - 168	168 in [4267.2 mm]	172.03 in [4369.6 mm]	± 0.25
LT22X - 180	180 in [4572.0 mm]	184.03 in [4674.4 mm]	± 0.25
LT22X - 192	192 in [4876.8 mm]	196.03 in [4979.2 mm]	± 0.25
LT22X - 204	204 in [5181.6 mm]	208.03 in [5284.0 mm]	± 0.25
LT22X - 216	216 in [5486.4 mm]	220.03 in [5588.8 mm]	± 0.25
LT22X - 228	228 in [5791.2 mm]	232.03 in [5893.6 mm]	± 0.25
LT22X - 240	240 in [6096.0 mm]	244.03 [6198.4 mm]	+ 0.5 in - 0.25 in

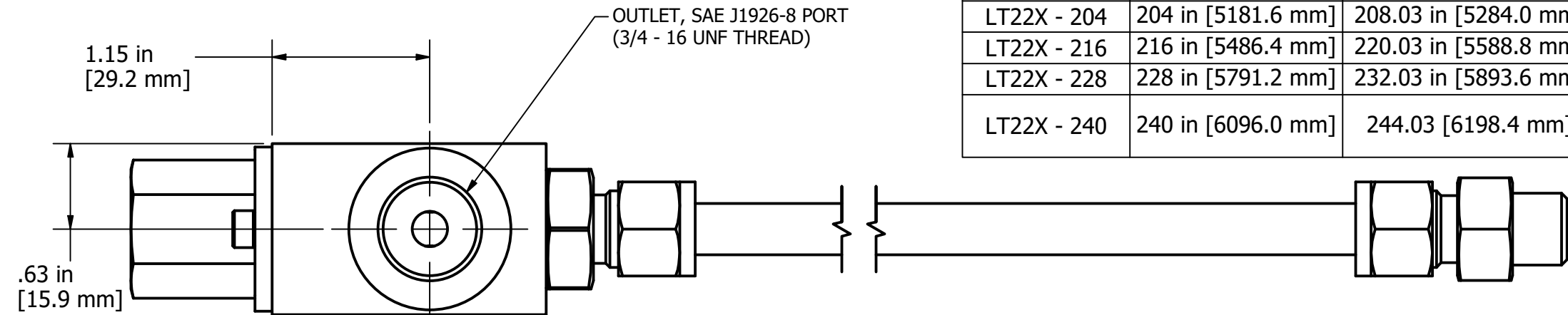
ESTIMATED PERFORMANCE:
 - WORKING GAS: COMPRESSED HYDROGEN
 - ACTIVATION TIME: 20-30 SECONDS
 - 250L TANK EMPTIED IN UNDER 8 MINUTES (DEPENDING ON SYSTEM CONFIGURATIONS)
 - NOMINAL WORKING PRESSURE (BASED ON HPRD1): 700 BAR
 - ACTIVATION LENGTH: ABOUT 18" / 450 mm (DEPENDING ON CONFIGURATION)
 - ACTIVATION TEMPERATURE: 110 ± 10 °C
 - LEAK RATE: < 1.0 * 10⁻⁵ SCCS

EXTERIOR MATERIALS:
 - 6061-T6 ALUMINUM WITH TYPE 2 ANODIC FINISH
 - 303, 304 AND 316 STAINLESS STEEL

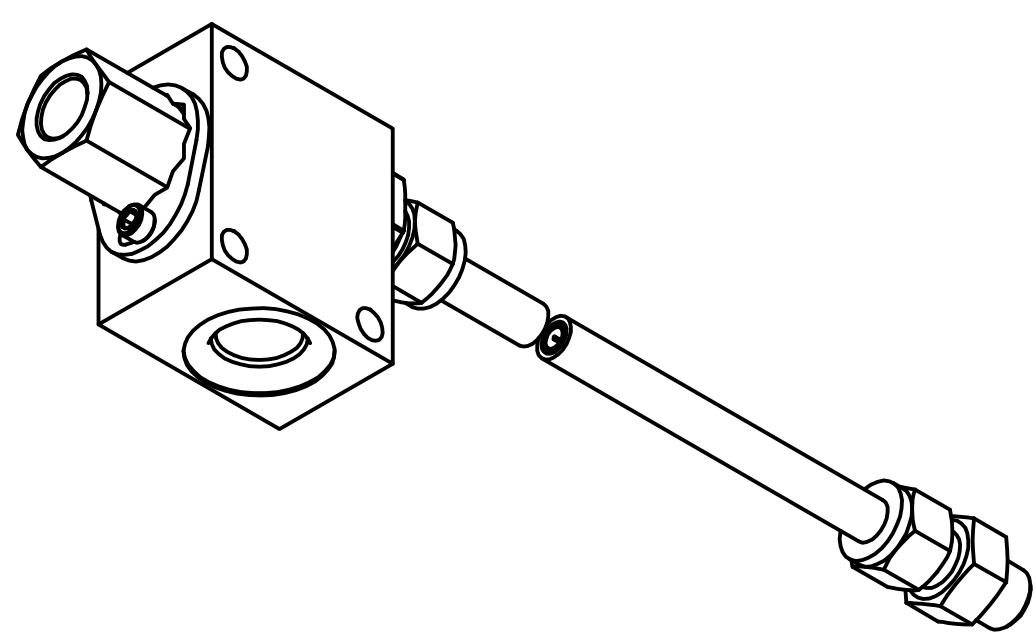
WETTED MATERIALS, HYDROGEN:
 - 316L STAINLESS STEEL
 - SEALS

INSTALLATION REQUIREMENTS:
 The following are minimum recommended practices for installation of the PRD to meet the functional requirements as tested. It is not a definitive list of mounting and integration considerations. All integration design issues are the responsibility of the entity designing the installation. Refer to Emcara's Component Literature for more information.

- The PRD body must be secured to the frame using the provided mounting holes in a manner that prevents excessive vibration.
- Unless otherwise determined and tested, the trigger element (tube) must be fixed to the vehicle
 -every 48" / 120 cm or less
 -within 6" / 15 cm from the end furthest from the body
 -in a manner that prevents flexing of the tube
 -in a manner that allows for thermal expansion
- Vent lines connected to the outlet of the PRD must not allow water or debris to enter the PRD or to accumulate in the outlet system.
- The inlet connections to the PRD should not allow accumulation of condensate in the PRD or lines leading to it.
- Inlet and outlet connections must allow sufficient flow rate to not adversely affect the rated flow unless this is specifically desired.
- All parts of the PRD must be shielded from non-fire heat such as exhaust systems.
- The trigger element must see the same fire conditions as the tank or the system it is protecting.
- This model is configured for the trigger element to have up to two bends totalling a maximum of 180°.



MODEL	INLET PORT CONNECTION
LT224	HIGH PRESSURE FEMALE PORT 9/16"-18 UNF (SWAGELOK SS-440-1-44M OR SIMILAR)
LT225	MEDIUM PRESSURE CONE AND THREAD FEMALE PORT 9/16"-18 UNF (SWAGELOK C&T SERIES CL6M AND GL6M OR SIMILAR)
LT226	1/4 FEMALE NPT PORT



THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN CONSENT.

UNLESS OTHERWISE STATED: ALL DIMENSIONS ARE IN IMPERIAL INCHES TOLERANCE: ONE PLACE DEC. = ±.05 TWO PLACE DEC. = ±.01 THREE PLACE DEC. = ±.005 ANGLE = ± 1° MATERIAL:							
FINISH:		TITLE: GENERIC 700BAR HYDROGEN PRD					
DO NOT SCALE DRAWING	<table border="1"> <tr> <td>SIZE</td> <td>DWG. NO.</td> <td>REV</td> </tr> <tr> <td>C</td> <td>LT22X - CUSTOMER</td> <td>NC</td> </tr> </table>	SIZE	DWG. NO.	REV	C	LT22X - CUSTOMER	NC
SIZE	DWG. NO.	REV					
C	LT22X - CUSTOMER	NC					
SCALE: 1	WEIGHT: N/A	SHEET 1 OF 1					