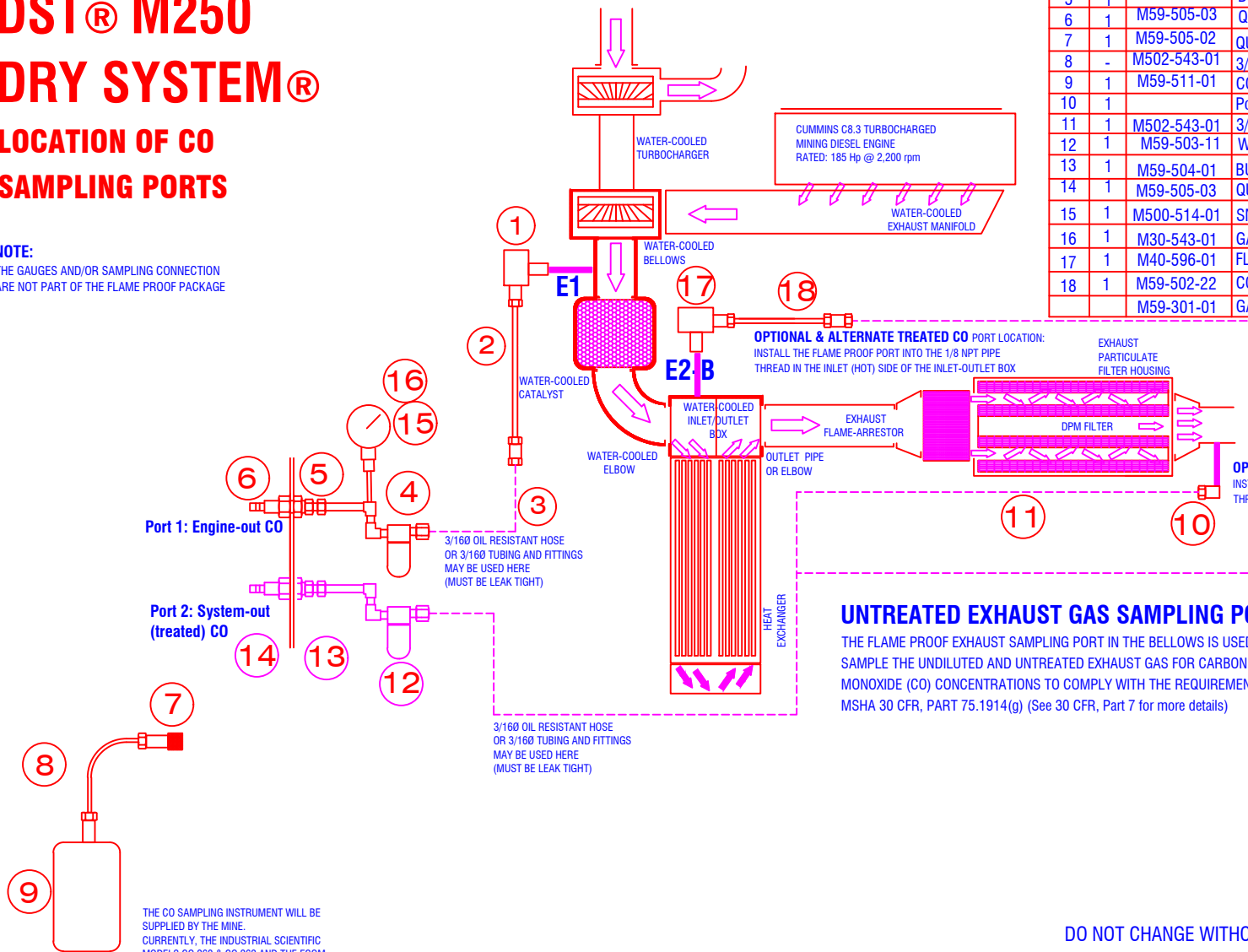


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# DST® M250 DRY SYSTEM®

## LOCATION OF CO SAMPLING PORTS

**NOTE:**  
THE GAUGES AND/OR SAMPLING CONNECTION ARE NOT PART OF THE FLAME PROOF PACKAGE



ITEM	QTY	PART NO	DESCRIPTION	NOTES
1	1	M40-596-01	FLAMEPROOF PORT	
2	1	M59-502-22	COOLING TUBE WITH FITTINGS	
3	-	M502-543-01	3/16Ø HOSE	SPECIFY LENGTH
4	1	M59-503-11	WATER SEPARATOR/SOOT FILTER	
4-A	1	M59-503-02	INSERT FOR SOOT FILTER	REPLACEMENT PART
5	1	M59-504-01	BULK HEAD CONNECTOR	
6	1	M59-505-03	QUICK CONNECTOR (MALE)	
7	1	M59-505-02	QUICK CONNECTOR (FEMALE)	24 inch long
8	-	M502-543-01	3/16 HOSE	SPECIFY LENGTH
9	1	M59-511-01	CO SAMPLING INSTRUMENT	SEE OPTIONS
10	1		Port	
11	1	M502-543-01	3/16 HOSE	SPECIFY LENGTH
12	1	M59-503-11	WATER SEPARATOR/SOOT FILTER	
13	1	M59-504-01	BULK HEAD CONNECTOR	
14	1	M59-505-03	QUICK CONNECTOR (MALE)	
15	1	M500-514-01	SNUBBER	
16	1	M30-543-01	GAUGE, EXHAUST BACKPRESSURE	
17	1	M40-596-01	FLAMEPROOF PORT	
18	1	M59-502-22	COOLING TUBE WITH FITTINGS	
		M59-301-01	GAS SAMPLING KIT INCLUDES ITEMS 2,4,5,6,7	

**OPTIONAL & ALTERNATE TREATED CO PORT LOCATION:**  
INSTALL THE FLAME PROOF PORT INTO THE 1/8 NPT PIPE THREAD IN THE INLET (HOT) SIDE OF THE INLET-OUTLET BOX

**OPTIONAL TREATED CO PORT LOCATION:**  
INSTALL THE FITTING INTO A 1/8 NPT PIPE THREAD AT THE OUTLET OF THE FILTER HOUSING

**UNTREATED EXHAUST GAS SAMPLING PORT**  
THE FLAME PROOF EXHAUST SAMPLING PORT IN THE BELLOWS IS USED TO SAMPLE THE UNDILUTED AND UNTREATED EXHAUST GAS FOR CARBON MONOXIDE (CO) CONCENTRATIONS TO COMPLY WITH THE REQUIREMENTS OF MSHA 30 CFR, PART 75.1914(g) (See 30 CFR, Part 7 for more details)

THE CO SAMPLING INSTRUMENT WILL BE SUPPLIED BY THE MINE. CURRENTLY, THE INDUSTRIAL SCIENTIFIC MODELS CO 260 & CO 262 AND THE ECOM MODEL EM SINGLE GAS CO MONITORS HAVE BEEN EVALUATED AND JUDGED SUITABLE. TO DATE, NO MULTI-GAS MONITOR HAS BEEN PROVEN TO BE SUFFICIENTLY RELIABLE

DO NOT CHANGE WITHOUT PRIOR APPROVAL FROM MSHA

185 Hp Cummins 8.3 Turbo

SECTION 2-12

<b>TOLERANCES</b> Linear unless noted Machined: ±0.005 Fabricated: ±0.01 Angular: ±1/2° Surface finish 125	01	0505	NP	NEW	<b>DRY SYSTEMS TECHNOLOGIES</b> 8102 LEMONT ROAD, SUITE 700 WOODRIDGE, IL 60517 Phone: 630-427-2051 Fax: 630-427-1036 E-Mail: eng@drysystemstech.com	<b>CO MONITORING PORTS</b> SCALE: FULL DATE: 18 May 05 DRAWN BY: Norbert Paas APPROVED BY:	NO REQS ONE	
	REV	DATE	BY	REASON		MATERIAL: DRAWING NO: <b>M250-006-01</b>		