DATASHEET WHICH GASES ARE EMBEDDED IN THE EL-FLOW® PRESTIGE MASS FLOW METER/CONTROLLER?

Which gases are embedded in the EL-FLOW® Prestige mass flow meter/controller?

Gas properties vary with temperature and pressure changes. The EL-FLOW Prestige thermal mass flow meter/controller uses the actual measured temperature (and pressure if applicable) for the real-time on-board calculation of the fluid properties. For this reason, the EL-FLOW Prestige mass flow meters and controllers have a database with gas properties embedded in the instrument ("Fluidat-On-Board"). The instrument embeds the following gases:

Embedded gases in the EL-FLOW® Prestige thermal mass flow meter/controller

EL-FLOW® Prestige models built until Dec. 2018		EL-FLOW® Prestige models built from Jan. 2019			
Formula	**Name**	**Formula**	**Name**	**Formula**	**Name**
Air	Air	Air	Air	CH3Cl	Chloromethane
Ar	Argon	Ar	Argon	CH3F	Fluoromethane
C2F6	Freon-116	AsH3	Arsine	CH4	Methane
C2H2	Acetylene	B2H6	Diborane	CH4S	Methanethiol
C2H4	Ethene	BCl3	Boron trichloride	CH5N	Aminomethane
C2H6	Ethane	BF3	Boron trifluoride	CHCl2F	Dichlorofluoromethane
C3H6 #2	Propene	C2Cl2F4 #2	Freon-114	CHClF2	Chlorodifluoromethane
C3H8	Propane	C2Cl3F3	Freon-113	CHF3	Freon-23
CH4	Methane	C2ClF5	Freon-115	Cl2	Chlorine
Cl2	Chlorine	C2F4	Perfluoroethene	ClCN	Cyanogen Chloride
CO	Carbon monoxide	C2F6	Freon-116	ClF3	Chlorine trifluoride
CO2	Carbon dioxide	C2H2	Acetylene	CO	Carbon monoxide
H2	Hydrogen	C2H2F2 #1	Freon-1132A	CO2	Carbon dioxide
H2S	Hydrogen Sulfide	C2H3Br	Vinyl Bromide	COCl2	Carbon oxychloride
He	Helium	C2H3Cl	Chloroethene	COF2	Carbonylfluoride
Kr	Krypton	C2H3F	Fluoroethene	COS	Carbon Oxysulfide
N2	Nitrogen	C2H4	Ethene	CS2	Carbon disulfide
N2O	Nitrous Oxide	C2H4O #2	Epoxyethane	D2 #1	Deuterium
NF3	Nitrogen trifluoride	C2H5Cl	Chloroethane	F2	Fluorine
NH3	Ammonia	C2H6	Ethane	GeH4	Germane
NO	Nitric Oxide	C2H6O #1	Dimethyl ether	H2	Hydrogen
O2	Oxygen	C2H7N #2	Dimethylamine	H2S	Hydrogen Sulfide
SF6	Sulfur hexafluoride	C2H7N #3	Monoethylamine	H2Se	Hydrogen Selenide
SiH4	Silane	C2N2	Cyanogen	HBr	Hydrogen Bromide

EL-FLOW® Prestige models built until Dec. 2018		EL-FLOW® Prestige models built from Jan. 2019			
Formula	**Name**	**Formula**	**Name**	**Formula**	**Name**
		C3F8	Perfluoropropane	HCl	Hydrogen Chloride
		C3H4 #1	Allene	HCN	Hydrogen Cyanide
		C3H4 #2	Methylacetylene	He	Helium
		C3H6 #1	Cyclopropane	HF	Hydrogen Fluoride
		C3H6 #2	Propene	HI	Hydrogen iodide
		C3H8	Propane	Kr	Krypton
		C3H9N #3	Trimethylamine	MoF6	Molybdenum hexafluoride
		C4F8	Freon-C318	N2	Nitrogen
		C4H10 #1	n-Butane	N2O	Nitrous Oxide
		C4H10 #2	Isobutane	Ne	Neon
		C4H6 #3	1,3-Butadiene	NF3	Nitrogen trifluoride
		C4H6 #4	1-Butyne	NH3	Ammonia
		C4H8 #1	Cyclobutane	NO	Nitric Oxide
		C4H8 #2	1-Butene	O2	Oxygen
		C4H8 #3	Butene (2-) (cis)	OF2	Oxygen difluoride
		C4H8 #4	Butene (2-) (trans)	PH3	Phosphine
		C4H8 #5	2-Methylpropene	SF4	Sulfur tetrafluoride
		C5H12 #2	2,2-Dimethyl Propane	SF6	Sulfur hexafluoride
		C5H12 #3	n-Pentane	Si2H6	Disilane
		CBr2F2	Dibromodifluoromethane	SiH2Cl2	Dichlorosilane
		CBrF3	Bromotrifluoromethane	SiH4	Silane
		CCl2F2	Dichlorodifluoromethane	SiHCl3	Trichlorosilane
		CCl3F	Fluorotrichloromethane	SO2	Sulfur dioxide
		CClF3	Chlorotrifluoromethane	WF6	Tungsten hexafluoride
		CF4	Carbon tetrafluoride	Xe	Xenon
		CH3Br	Bromomethane		