

# Totalflow products application list

Product	Application	XFC	XRC	EX	μFLO	XFC SU	XRC SU	EX SU	μFLO SU	Application description
SelectableUnits	Selectable Units	✓	✓	✓	✓	✓	✓	✓	✓	A feature that allows the user to select the engineering units that they wish to use as a basis for calculations, local display and protocol output.
SUUNIT_CV	Conversion App	✓	✓	✓	✓	✓	✓	✓	✓	An application to perform the engineering unit conversions for Selectable Units measurement applications. It also allows the user to perform engineering unit conversions outside of the ones required by SU measurement applications.
SYS	System	✓	✓	✓	✓	✓	✓	✓	✓	An application that is used in the G4 to setup and maintain system wide data – ie Time/Date and other parameters.
COMM	Serial Communications	✓	✓	✓	✓	✓	✓	✓	✓	An application used to set up communication.
BTUMASTER	Therms Master	✓	✓	✓	✓	✓	✓	✓	✓	An application instantiated on an XFC or XRC responsible for analysis data handling. The Therms Master application polls analyzer data via a Modbus serial link, saves the analysis in its Live Analysis registers and sends the analysis on to the Slave devices.
BTUSLAVE	Therms Slave	✓	✓	✓	✓	✓	✓	✓	✓	The Therms Slave application will retrieve analysis data from the Therms Master application and move the data into its own internal measurement tubes to be used for flow calculations.
NGCCIENT	NGC Client	✓	✓	✓	✓	✓	✓	✓	✓	This is an application that allows a user communicate with an NGC using modbus over TCP/IP protocol.
TANK	Tank Interface	✓	✓	✓	✓	✓	✓	✓	✓	An application that provides an interface to the LevelMaster product. This interface provides up to 2 levels (oil and water) and a temperature from a single or multiple tanks.
XMV	XMV Interface	✓	✓	✓	✓					An application that provides data locations for both raw and scaled values for DP, SP, and temperature.
SUXMV	XMV Interface					✓	✓	✓	✓	Selectable Units version of the XMV application. The application allows the user to select the output units for Ap, Dp and Temperature from the XMV.
PUMP	Pump Control	✓	✓	✓		✓		✓		An application that supports the SymCom and UniCon pump controllers and allows a user to do the required setup and gives status information and data measurements.
WLIO	WLIO Interface	✓	✓							An application that supports the Totalflow WellTell wireless product.
ENRONIFC	Enron Interface	✓	✓	✓	✓	✓	✓	✓	✓	This application allows the user to retrieve tube data using the enron modbus specification.
XThruProtocol	Protocol Multiplexer	✓	✓			✓	✓			A solution to provide a means of co-sharing one radio tower with multiple host systems.
TFIO	TFIO Interface	✓	✓			✓	✓			An application that provides the interface to all Totalflow I2C input/output modules.

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LCD	LCD 2x24 Display	✓	✓	✓	✓	✓	✓	✓	✓	An application that controls what data is shown on the LCD display.
IOS	IO Interface	✓	✓	✓	✓	✓	✓	✓	✓	An application that scans all of the I/O data, both onboard and TFIO modules.
PULSE	Pulse Accumulator	✓	✓	✓	✓	✓	✓	✓	✓	An application that counts pulses each second and multiplies the pulses by a K-factor each second to produce a scaled value. The scaled values are summed for a specified time frame (Pulse Window), contract day, and long term period.
VALVE	Valve Control	✓	✓							An application-specific, input/output feature that provides automatic feedback control of DP, SP and FR to allow the user to position a flow valve to maintain a preferred value of DP, SP or FR.
SUVALVE	Valve Control					✓	✓			An application-specific, input/output feature that provides automatic feedback control of DP, SP and FR to allow the user to position a flow valve to maintain a preferred value of DP, SP or FR. The units for DP, SP and FR are user selectable.
AGA10_CALC	AGA10 Calcs (Used by Gas Factors)	✓	✓		✓	✓	✓			Calculates the speed of sound in a gas per AGA Report NO. 10 (2003).
AGA3	AGA3	✓	✓	✓	✓					This is an application that is used to calculate flow rate per AGA3-1985(API2530),AGA3-1992, AGA3-2012, API 14.3 Chapters 1-4.
SUAGA3	Selectable Unit AGA3					✓	✓	✓	✓	This is an application that is used to calculate flow rate per API 14.3 Chapters 1-4 and ISO 5167-2003.
AGA7	AGA7	✓	✓	✓	✓					This is an application that is used to calculate flow rate per AGA Report NO. 7(2006)
SUAGA7	Selectable Unit AGA7					✓	✓	✓	✓	This is an application that is used to calculate flow rate per AGA Report NO. 7(2006). This application allows the user to pick the units of input and outputs.
VCONE	VCone	✓	✓	✓	✓					This is an application used to calculation flow using a Vcone as the primary element. It supports both Top Plate Vcone and Wafer-Cone primary elements.
SUVCONC	Selectable Unit VCone					✓	✓	✓	✓	This is an application used to calculation flow using a Vcone as the primary element. It supports both Top Plate Vcone and Wafer-Cone primary elements. This application allows the user to pick the units of input and output variables.
SUAGA7LIQ	AGA7 Liquids	✓	✓	✓	✓	✓	✓	✓	✓	An application that allows for custody quality liquid measurement using CTL and CPL factors corrections.
SUCORIOLIS	Coriolis Tube	✓	✓	✓	✓	✓	✓	✓	✓	A flow measurement application that uses a Coriolis tube as the primary element.
CORDATA	Coriolis Data Interface	✓	✓	✓	✓	✓	✓	✓	✓	An application that is used to read data from a Coriolis meter. That information is then used by the Coriolis measurement application to generate flow and historical data.

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SUNOZZLE	Nozzle	✓	✓	✓	✓	✓	✓	✓	✓	An application that supports flow nozzle technology. Flow nozzles are differential flow meters that create a flow restriction for high-velocity, non-viscous, erosive flows, which provides a more effective sweep-through of particles in the flow stream. This is conducive to extending the life of the product through the reduction of wear and tear.
TREND	Trend System	✓	✓	✓	✓	✓	✓	✓	✓	An application that provides a general trending function. Any variable that is accessible with a Totalflow register address may be used to generate a trend over time.
RAMS	RAMS (Alarm) System	✓	✓	✓	✓	✓	✓	✓	✓	An application that reports alarms remotely and automatically to the host device, which is normally a computer running WinCCU.
HOLD	Holding Registers	✓	✓	✓	✓	✓	✓	✓	✓	An application that contains read/write array registers allocated strictly for the user to employ as they see fit.
OPER	Operations	✓	✓	✓	✓	✓	✓	✓	✓	An application that offers a wide range of functions, including math, bit, comparison, timed, and process control functions, among others.
HOST	Host Interface	✓	✓	✓	✓	✓	✓	✓	✓	An application that provides a way to display a site specific set of PCCU data displays.
AIU	AIU Stream Archive	✓	✓	✓	✓	✓	✓	✓	✓	An application designed to receive and store gas analysis information from a chromatograph or BTU analyzer.
PIDCTRL	PID Controller	✓	✓	✓		✓	✓	✓		An application that allows the use of PID controllers.
IEC	IEC Interface	✓	✓	✓		✓	✓	✓		IEC 1131 is a global standardization for industrial control programming. IEC 1131 applications, when provided by ABB Totalflow, will be custom applications.
PLUNGER	Plunger Lift	✓	✓	✓						An application that allows the user to control a plunger on a production well. Adaptive algorithms make adjustments in order to optimize plunger rise times and gas production.
SUPLUNGER	SU Plunger Controller					✓	✓	✓		An application that allows the user to control a plunger on a production well. Adaptive algorithms make adjustments in order to optimize plunger rise times and gas production. This version of the application allows the to pick the units that the application uses in its calculations.
GAS_LIFT	Gas Lift	✓	✓	✓		✓	✓	✓		An artificial lift technique used on wells with liquid loading problems.
SHUTDOWN	Shutdown App	✓	✓	✓		✓	✓	✓		An application that provides the means to shutdown a well or site using any number of analog or digital test points. The shutdown is maintained until a user restart is issued.
PADCTL	Pad Controller	✓	✓	✓		✓	✓	✓		An application that allows for a number of wells to be controlled by one application.
OILXFER	Oil Transfer	✓	✓	✓		✓	✓	✓		An application that monitors oil stock tanks. There must be a LevelMaster with each tank to be monitored.