

1.29 HIGH PRESSURE AUTOCLAVE TURBINE SERIES FOR LIQUID

PRICE LIST

(REF: PRODUCT BULLETIN HA-L-100)

MODEL	HO	(A)	X	(B)	-	(C)	-	(D)	-	(E)	-	(F/G/H)	-	(AC/II)	-	(J)
PROCESS CONNECTION / END FITTING SIZE																
TURBINE FLOWMETER SIZE																
MINIMUM FLOW RATE IN GPM																
MAXIMUM FLOW RATE IN GPM																
BEARING TYPE																
PICKUP COILS																
COIL SPACING, MECHANICAL DEGREES																
RISER AND EXPLOSION PROOF COIL ENCLOSURES																
PROCESS CONNECTION / END FITTING TYPE																
SPECIAL FEATURES																

PROCESS CONNECTION/END FITTING SIZE & TURBINE FLOWMETER SIZE

MODEL HO(A)X(B)-()-()-()-(/ /)-()-()

(A)	(B)	MAXIMUM WORKING PRESSURE	BASE PRICE FOR STANDARD LIQUID SERIES
HO 3/4	X 1/4A	15,000 PSI	\$2,927.00
HO 3/4	X 3/8A	15,000 PSI	\$2,927.00
HO 3/4	X 1/2A	15,000 PSI	\$2,927.00
HO 1	X 1/4A	20,000 PSI	\$3,065.00
HO 1	X 3/8A	20,000 PSI	\$3,065.00
HO 1	X 1/2A	20,000 PSI	\$3,065.00
HO 1	X 5/8A	10,000 PSI	\$3,065.00
HO 1	X 3/4	10,000 PSI	\$3,065.00

MINIMUM FLOW AND MAXIMUM FLOW RATE IN GPM

MODEL HO()X()-(C)-(D)-()-(/ /)-()-()

NOTE: FOR EXTENDED RANGES REFER TO ENGINEERING GUIDE HO-EG-LIQ-100.

	(C)		(D)
<u>TURBINE SIZE</u>	<u>MINIMUM FLOW</u>	TO	<u>MAXIMUM FLOW</u>
1/4"	.35 GPM		3.5 GPM
3/8"	.75 GPM		7.5 GPM
1/2"	1.25 GPM		9.5 GPM
5/8"	1.75 GPM		16 GPM
3/4"	2.5 GPM		29 GPM

BEARING TYPE

MODEL HO()X()-()-()-(E)-(/ /)-()-()

<u>TURBINE SIZES</u>	<u>OPTION (E)</u>	<u>ADDER</u>
1/4" THRU 3/4"	(BP) CERAMIC HYBRID BALL BEARING, SELF LUBRICATING	INCLUDED IN BASE PRICE
	(C) HARD CARBON COMPOSITE SLEEVE BEARING	\$369.00
	(T) TUNGSTEN CARBIDE SLEEVE BEARING	\$490.00

PICKUP COILS

MODEL HO()X()-()-()-()-(F/ /)-()-()

<u>OPTION (F)</u>	<u>ADDER</u>
(1M) ONE MAG COIL	INCLUDED IN BASE PRICE
(2M) TWO MAG COILS	\$240.00 FOR SECOND COIL
(1MC3PA) ONE RF COIL	\$313.00
(2MC3PA) TWO RF COILS – SEE NOTE 1	CONSULT FACTORY
(1MC2PAHT) ONE HIGH TEMP 6" PIGTAIL RF COIL WITH 1/2" MNPT THREADS	\$284.00
(2MC2PAHT) TWO HIGH TEMP 6" PIGTAIL RF COILS – SEE NOTE 1	CONSULT FACTORY
(1HTM) HIGH TEMP MAG COIL	\$686.00
(2HTM) TWO HIGH TEMP MAG COILS	\$785.00 FOR SECOND COIL
(1ISM) ONE INTRINSICALLY SAFE MAG COIL, NORTH AMERICA	\$407.00
(1ISM-ATEX) ONE ISM ATEX COIL	\$506.00
(2ISM) TWO INTRINSICALLY SAFE MAG COILS, NORTH AMERICA	\$527.00 FOR SECOND COIL
(2ISM-ATEX) TWO ISM ATEX COILS	\$1,011.00
(1RPMXXX) ONE REDI-PULSE MAG COIL (SEE PAGE 1.24-1 TO COMPLETE REDI-PULSE PART #)	\$346.00
(2RPMXXX) TWO REDI-PULSE MAG COILS (SEE PAGE 1.24-1 TO COMPLETE REDI-PULSE PART #)	\$439.00 FOR SECOND COIL
(1RPRXXX) ONE REDI-PULSE RF COIL (SEE PAGE 1.24-1 TO COMPLETE REDI-PULSE PART #)	\$394.00
(2RPRXXX) TWO REDI-PULSE RF COILS – SEE NOTE 1 (SEE PAGE 1.24-1 TO COMPLETE REDI-PULSE PART #)	CONSULT FACTORY

PICKUP COILS (CONTINUED)

<u>OPTION (F)</u>		<u>ADDER</u>
(1DMXXXX)	ONE REDI-PULSE INTRINSICALLY SAFE MAG COIL (SEE PAGE 1.23-1 TO COMPLETE REDI-PULSE PART #)	\$493.00
(2DMXXXX)	TWO REDI-PULSE INTRINSICALLY SAFE MAG COILS (SEE PAGE 1.23-1 TO COMPLETE REDI-PULSE PART #)	\$572.00 FOR SECOND COIL
(1DRXXXX)	ONE REDI-PULSE INTRINSICALLY SAFE RF COIL (SEE PAGE 1.23-1 TO COMPLETE REDI-PULSE PART #)	\$493.00
(2DRXXXX)	TWO REDI-PULSE INTRINSICALLY SAFE RF COILS – SEE NOTE 1 (SEE PAGE 1.23-1 TO COMPLETE REDI-PULSE PART #)	CONSULT FACTORY
(-ATEX)*	WHEN ANY COIL IS GOING TO HAVE AN ATEX ENCLOSURE MOUNTED ON THE FLOWMETER ADD (-ATEX) AFTER THE COIL PART NUMBER. (THE COIL NEEDS TO BE MODIFIED TO FIT INTO A 3/4" RISER WELDED TO THE BODY REQUIRED BY ATEX) <u>*OPTIONAL ATEX COIL TOOL: P/N A-TOOL-101</u>	\$75.00
	IN ORDER TO REPLACE THE COIL IN THE FIELD, THIS SPECIAL WRENCH IS REQUIRED TO REPLACE THE COIL.	\$266.00
(-P*)	PIGTAIL OR FLYING LEADS, ADD -P AND THE *LENGTH OF LEADS AFTER ANY COIL EXCEPT THE HIGH TEMPERATURE COILS.	\$ 40.00 FOR UP TO 12" AND \$ 3.00 PER FOOT OVER 12"

NOTE 1: ALL DUAL RF COIL APPLICATIONS REQUIRE ENGINEERING APPROVAL PRIOR TO QUOTE.

COIL SPACING, MECHANICAL DEGREES/ASSIGNED BY TPC

MODEL HO()X()-()-()-()-(/G/)-()-()

NOTE (G): 90 DEGREE ELECTRICAL COIL SPACING FOR TWO COILS REQUIRE THE FOLLOWING MECHANICAL SPACING.
IF A SECOND COIL IS NOT REQUIRED, SKIP OPTION (G) AND MOVE ON TO OPTION (H).

<u>TURBINE</u>	<u>FORWARD MECH.</u>	<u>REVERSE MECH.</u>	<u>COIL SPARE</u>
<u>SIZE</u>	<u>DEGREES</u>	<u>DEGREES</u>	<u>DEGREES</u>
1/4"	ZERO	135	250
3/8"	ZERO	135	250
1/2"	ZERO	135	250
5/8"	ZERO	135	180
3/4"	ZERO	135	250

RISER AND EXPLOSION PROOF COIL ENCLOSURES

MODEL HO()X()-()-()-()-(/ H)-()-()

OPTION (H)

ADDER

RISER FOR STANDARD MODELS AND Ex d CERTIFIED SYSTEMS

(X)	1" MNPT RISER, WELDED TO BODY	\$108.00
(X-ATEX)	3/4" MNPT RISER, WELDED TO BODY	\$155.00
(X-ATEX)E2*	3/4" MNPT RISER WITH E2 ENCLOSURE**	\$254.00

RISER FOR STANDARD MODELS ONLY (NOT FOR USE WITH Ex d SYSTEMS)

(XE2)*	1" MNPT RISER WITH E2 ENCLOSURE** INCLUDES STOCK #300-8375 1" X 3/4" ADAPTER	\$214.00
(X8S)	8" LONG S/S 1" MNPT RISER FOR FLUID TEMPERATURES BELOW -40°F (-40°C) OR ABOVE +158°F (+70°C)	\$174.00
(X8S-ATEX)	8" LONG S/S 3/4" MNPT RISER FOR FLUID TEMPERATURES BELOW -40°F (-40°C) OR ABOVE +158°F (+70°C)	\$174.00

*OPTIONS FOR ENCLOSURES STYLE E2

(_S)	STAINLESS STEEL ENCLOSURE (ONLY RATED FOR ATEX/IECE _x)	\$381.00
------	--	----------

**NOTES: EXPLOSION-PROOF/FLAME-PROOF ENCLOSURE WITH 3/4" FNPT MOUNT AND 3/4" CABLE ENTRY (RATINGS ARE FOR EMPTY ENCLOSURE-NOT Ex d CERT SYSTEM)

FM:	E2	CLASS I, DIV. 1, GR. ABCD, CLASS II/III, DIV. 1, GR. EFG, TYPE 4X
CSA:	E2	CLASS I, DIV. 1, GR. ABCD, CLASS II, DIV 1, GR. EFG, CLASS III, TYPE 4X EX D IIC, CLASS I, ZONE 1, IP 66
ATEX:	E2/E2S	EX II 2GD Ex d tD IIC, IP66/68
IEC:	E2/E2S	EX D IIC IP68

FOR UL LISTED ENCLOSURE CONTACT FACTORY

PROCESS CONNECTION / END FITTING SIZE

MODEL HO()X()-()-()-()-(/)-(AC/)-()

NOTE: ENTER 3/4" OR 1" FOR THE AUTOCLAVE SIZE SELECTED.

OPTION (I)

ADDER

3/4"	(AUTOCLAVE P/N SF750CX MALE THREADED END)	INCLUDED IN BASE PRICE
1"	(AUTOCLAVE P/N SF1000CX MALE THREADED END)	INCLUDED IN BASE PRICE

SPECIAL FEATURES

MODEL HO()X()-()-()-()-(/)-()-(J)

OPTION (J)

ADDER

(CE)	CE MARK REQUIRED FOR EUROPE	INCLUDED IN BASE PRICE
(PED-CE)	PED REQUIRES THAT BOTH THE OPERATING PRESSURE AND TEMPERATURE MUST BE KNOWN AND ENTERED ON THE ORDER. THIS INFORMATION WILL BE MARKED ON THE HOUSING TO MEET PED REQUIREMENTS.	\$333.00 FOR FIRST METER, PER ORDER, PER MODEL NO. \$167.00 PER EACH ADD'L METER ON SAME ORDER OF THE SAME MODEL NO.
(SEP-CE)	SOUND ENGINEERING PRACTICE	NO CHARGE
(EX)	FOR CERTIFIED CAT, HRT1 AND HIT4 Ex d CERTIFIED SYSTEMS (LIQUID DYE PENETRANT TEST REQUIRED ON RISER WELD) NOTE: AUTOCLAVE METER CANNOT BE INSTALLED IN CANADA FOR HAZARDOUS INSTALLATION.	INCLUDED IN BASE PRICE
(C-EX)	FOR USE WITH CERTIFIED REMOTE MOUNTED CAT WITH (C) OPTION. REQUIRES FLOWMETER (X) RISER OPTION. INCLUDES 1" CERTIFIED UNION, 1" X 3/4" SS RISER, E2 ENCLOSURE AND LIQUID DYE PENETRANT TEST.	\$938.00
(PT)	1/4" PRESSURE TAP (AGA COMPLIANT).	\$167.00
(SP)	ANY SPECIAL FEATURES THAT ARE NOT COVERED IN THE MODEL NUMBER, USE A WRITTEN DESCRIPTION OF THE -SP. EXAMPLE: -SP = SEA CON HIGH PRESSURE WATERPROOF CONNECTION MOUNTED ON A SPECIAL RISER, OR OTHER AUTOCLAVE END FITTING DIFFERENT FROM THE INSTALLATION DRAWING BELOW. REFER TO INSTALLATION DRAWING HOX-5045 FOR STANDARD UNITS.	CONSULT FACTORY

SPECIAL FEATURES (CONTINUED)

OPTION (J)

NOM.
METER SIZE
1/4 THRU 3/4"

ADDER

(BW) MONEL 400 INTERNALS WITH SUPER DUPLEX
(S32760 OR EQUAL) SOLID ROTOR. FOR USE IN
HIGH ALKALINE AND HIGH SALINITY LIQUID
APPLICATIONS SUCH AS SEAWATER.

\$2,995.00

NOTE: FOR SPECIAL FLOWMETER BODY MATERIAL OF CONSTRUCTION CONSULT FACTORY.

(X) NO SPECIAL FEATURES

INCLUDED IN BASE PRICE

NOTE: WHEN ENTERING THE MODEL NUMBER AND LETTER OMIT ALL BRACKETS.