

3.7.2 MODEL NUMBER

ENLARGED COAXIAL PROBE

1 | TECHNOLOGY

7	ECLIPSE GWR Probes - Model 706
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2 | MEASUREMENT SYSTEM

A	English
C	Metric

3 | CONFIGURATION/STYLE (RIGID)

D	Enlarged Coaxial, High Temp/High Pressure: Overfill w/Glass Seal (+450 °C/+850 °F) — Available only with 10th digit N or D
P	Enlarged Coaxial, High Pressure: Overfill w/Glass Seal (+200 °C/+400 °F) — Available only with 10th digit N or D
T	Enlarged Coaxial, Overfill Standard O-Ring Seal (+200 °C/+400 °F) — Not available with 10th digit N or D

4 5 | PROCESS CONNECTION – SIZE/TYPE (consult factory for other process connections)

Threaded

4 1	2" NPT Thread ①	4 2	2" BSP (G 2") Thread ①
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ANSI Flanges

4 3	2" 150# ANSI RF ①	5M	3" 1500# ANSI RTJ
4 4	2" 300# ANSI RF ①	5N	3" 2500# ANSI RTJ
4 5	2" 600# ANSI RF ①	6 3	4" 150# ANSI RF
4 K	2" 600# ANSI RTJ ①	6 4	4" 300# ANSI RF
5 3	3" 150# ANSI RF	6 5	4" 600# ANSI RF
5 4	3" 300# ANSI RF	6 6	4" 900# ANSI RF
5 5	3" 600# ANSI RF	6 7	4" 1500# ANSI RF
56	3" 900# ANSI RF	6 8	4" 2500# ANSI RF
57	3" 1500# ANSI RF	6K	4" 600# ANSI RTJ
58	3" 2500# ANSI RF	6L	4" 900# ANSI RTJ
5K	3" 600# ANSI RTJ	6M	4" 1500# ANSI RTJ
5L	3" 900# ANSI RTJ	6N	4" 2500# ANSI RTJ

EN Flanges

D A	DN 50, PN 16	EN 1092-1 TYPE A ①	E H	DN 80, PN 320	EN 1092-1 TYPE B2
D B	DN 50, PN 25/40	EN 1092-1 TYPE A ①	E J	DN 80, PN 400	EN 1092-1 TYPE B2
D D	DN 50, PN 63	EN 1092-1 TYPE B2 ①	F A	DN 100, PN 16	EN 1092-1 TYPE A
D E	DN 50, PN 100	EN 1092-1 TYPE B2 ①	F B	DN 100, PN 25/40	EN 1092-1 TYPE A
E A	DN 80, PN 16	EN 1092-1 TYPE A	F D	DN 100, PN 63	EN 1092-1 TYPE B2
E B	DN 80, PN 25/40	EN 1092-1 TYPE A	F E	DN 100, PN 100	EN 1092-1 TYPE B2
E D	DN 80, PN 63	EN 1092-1 TYPE B2	F F	DN 100, PN 160	EN 1092-1 TYPE B2
E E	DN 80, PN 100	EN 1092-1 TYPE B2	F G	DN 100, PN 250	EN 1092-1 TYPE B2
E F	DN 80, PN 160	EN 1092-1 TYPE B2	F H	DN 100, PN 320	EN 1092-1 TYPE B2
E G	DN 80, PN 250	EN 1092-1 TYPE B2	F J	DN 100, PN 400	EN 1092-1 TYPE B2

Torque Tube Mating Flanges ②

T T	600# Fisher (249B/259B) in carbon steel
T U	600# Fisher (249C) in stainless steel
U T	600# Masoneilan flange in carbon steel
U U	600# Masoneilan flange in stainless steel

① Confirm mounting conditions/nozzle diameter to ensure sufficient clearance.
 ② Always check dimensions if ANSI/EN flanges are not used.



ENLARGED COAXIAL PROBE

6 | CONSTRUCTION CODES

0	Industrial
K	ASME B31.1
L	ASME B31.3
M	ASME B31.3 & NACE MR0175/MR0103 — NOT available with carbon steel flange
N	NACE MR0175/MR0103 — NOT available with carbon steel flange

7 | FLANGE OPTIONS — Offset flanges are only available with small coaxial probes

0	None
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8 | MATERIAL OF CONSTRUCTION - FLANGE/NUT/ROD/INSULATION

A	316 SS/316L SS (Probe O.D. 45 mm (1.75"))
B	Hastelloy C (Probe O.D. 49 mm (1.93"))
C	Monel (Probe O.D. 49 mm (1.93"))
R	316 SS/316L SS with Carbon Steel Flange (Probe O.D. 45 mm (1.75"))
S	Hastelloy C with Carbon Steel Flange (Probe O.D. 49 mm (1.93"))
T	Monel with Carbon Steel Flange (Probe O.D. 49mm (1.93"))

9 | SPACER MATERIAL

1	TFE (+200 °C/+400 °F) — Available only with 3rd digit P or T — $\epsilon_r \geq 1.4$
2	PEEK HT — Available only with 3rd digit D (+345 °C/+650 °F) — $\epsilon_r \geq 1.4$
3	Ceramic (High Temp. >+425 °C/+800 °F) — Available only with 3rd digit D — $\epsilon_r \geq 2.0$
4	Celazole (+425 °C/+800 °F) — Available only with 3rd digit D — $\epsilon_r \geq 1.4$
5	None - with metal shorting rod — $\epsilon_r \geq 1.4$ — Future

10 | O-RING MATERIALS/SEAL OPTIONS

0	Viton® GFLT — Available only with 3rd digit T
2	Kalrez® 4079 — Available only with 3rd digit T
8	Aegis PF 128 (NACE) — Available only with 3rd digit T
A	Kalrez 6375 — Available only with 3rd digit T
B	HF Acid Probe — Only available with 3rd digit T and 8th digit C
D	None/Glass Ceramic Alloy (dual-seal design with annunciator fitting)—Only available with 3rd digit D or P
N	None/Glass Ceramic Alloy — Available only with 3rd digit D, P or S

11 | PROBE SIZE/ELEMENT TYPE/FLUSHING CONNECTION

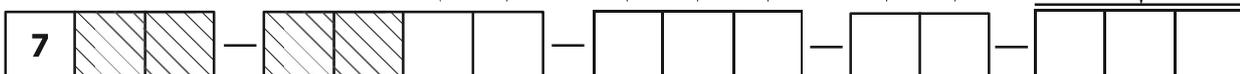
0	Standard Enlarged Coaxial Probe
1	Standard Enlarged Coaxial Probe with Flushing Port

12 | SPECIAL OPTIONS — See page 94

0	Single Length Probe (Non-Segmented)
1	1-piece Segmented Probe OD=64mm (2.5")
2	2-piece Segmented Probe OD=64mm (2.5")
3	3-piece Segmented Probe OD=64mm (2.5")
4	4-piece Segmented Probe OD=64mm (2.5")
5	5-piece Segmented Probe OD=64mm (2.5")
6	6-piece Segmented Probe OD=64mm (2.5")

13 14 15 | INSERTION LENGTH

X X X	cm (030 – 999) inches (012 – 396)
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unit of measure determined by
2nd digit of model number