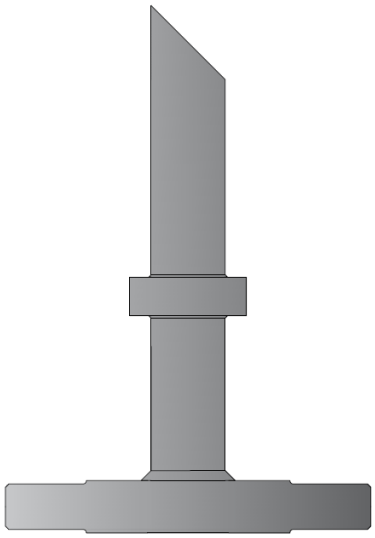
Model FCI02



The model FCI02 flanged chemical injection assembly is designed so that chemical can be continuously injected into the process with no interruptions. The design is simple yet effective. This is a “sandwich” type design, with the FCI02 being mounted directly between the header connection on the pipe and either a valve or connecting flange. It is similar in design to the model FCI01 but with the addition of a support collar for locations with high flow rates.

Fitting details

Mounting: 0.5” – 24” ASME (ANSI) B16.5 flange RJ / RF / FF

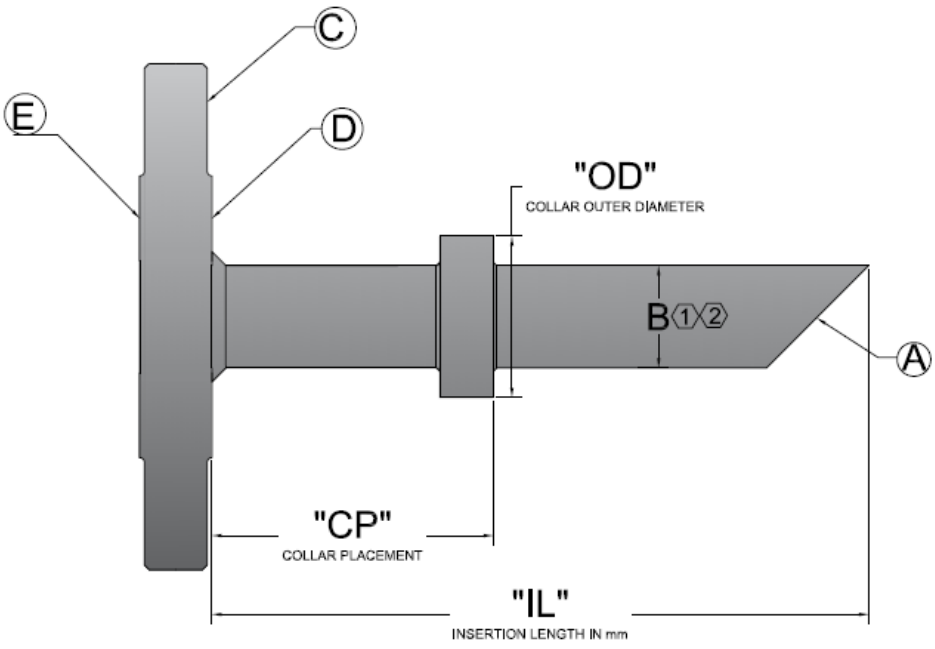
Standards: Conforms to NACE MR0175 & MR0103

Temperature Range: As per flange / material ratings

Pressure Rating: As per selected flange rating

ASSEMBLY

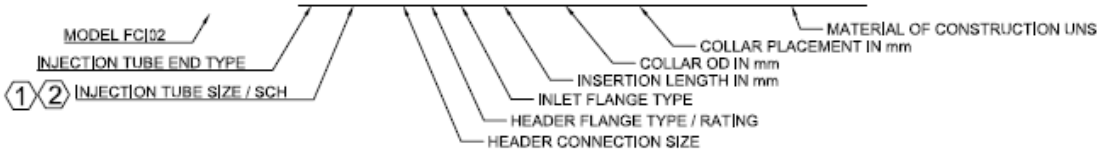
The design has been methodically laid out, with the main characteristics of the assembly being as configurable as possible to allow even the most bespoke requirements being part of the “standard” design.



COR | INJ
CORROSION & CHEMICAL INJECTION

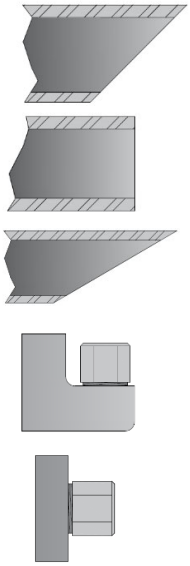
PART NUMBER:

FCI02-A-B-CDE-IL-OD-CP-XXXXXX



"A" TUBE END TYPES

QUILL TYPES "A"		NOZZLE TYPES "A"	
45° QUILL	A = Q1	90° NOZZLE 1/4" NPT	A = N1
60° QUILL	A = Q2	0° NOZZLE 1/4" NPT	A = N2
90° OPEN	A = Q3	90° NOZZLE 1/2" NPT	A = N3
		0° NOZZLE 1/2" NPT	A = N4



45° Quill end (Q1)

Open end (Q3)

60° Quill end (Q2)

90° Right angle nozzle (N1/N3)

Straight nozzle (N2/N4)

"B & C" SIZE CODES (NOMINAL SIZES)

0.25" = A	1.25" = E	3.00" = I	6.00" = M
0.50" = B	1.50" = F	3.50" = J	8.00" = N
0.75" = C	2.00" = G	4.00" = K	10.00" = O
1.00" = D	2.50" = H	5.00" = L	12.00" = P

FLANGE RATING / TYPE "D & E"

150#RF = 01	150#RJ = 06	150#FF = 11
300#RF = 02	300#RJ = 07	300#FF = 12
600#RF = 03	600#RJ = 08	600#FF = 13
1500#RF = 04	1500#RJ = 09	1500#FF = 14
2500#RF = 05	2500#RJ = 10	2500#FF = 15

(2) FOR TUBE SIZES NOT NOMINAL THESE CAN BE PUT AS "SIZE IN INCHES"IM FOLLOWED BY "PIPE WALL THICKNESS" IM ie FOR 1.00" OD PIPE WITH $\frac{1}{4}$" PIPE WALL IS "1.00IM0.25IM". FOR METRIC SIZES FOLLOW THE SIZES WITH MM, Ie 8mm PIPE OD WITH 1.5mm PIPE WALL IS "8MM1.5MM"

(1) B CODE IS FOLLOWED BY SCH WITH 'S' THEN SCH NUMBER. IE 1" SCH 40 = DS40