

Service

Stocks

Distribution

Training



MICHAEL CRUDDACE
C903RN Swagelok

TEESSIDE FLUID SYSTEM TECHNOLOGIES LTD.

WHINBANK ROAD • AYCLIFFE INDUSTRIAL PARK • DURHAM • DL5 6HL

TEL: (01325) 316468 • FAX: (01325) 300559

EMAIL: info@teesside.swagelok.com • INTERNET: www.swagelok.com/teesside

VAT REGISTRATION NUMBER: GB 797 3120 08



CUST
ORDER
No. 60357

SMDH011

CUST
ORDER
No. 60357

SMDH03

OUR ORDER NUMBER 0000415602
SOLD TO:

REQUISITION
NUMBER

OUR ORDER NUMBER 0000415602
SHIP TO:

REQUISITION
NUMBER

SMD HYDROVISION
WINCOMBLEE ROAD
LOW WALKER
NEWCASTLE UPON TYNE
NE6 3QS

SOIL MACHINES DYNAMICS LTD
TURBINIA WORKS
DAVY BANK
WALLSEND
TYNE & WEAR, NE28 6UZ

DATE SHIPPED	SHIPPING INSTRUCTION	TERR.	ORDER DATE.	VAT	BOX/BATCH CODE
13/12/2007	APC-NEXT DAY DEL	04	13/12/2007	17.50	
ITEM	DESCRIPTION	ORDERED	BALANCE DUE	SHIPPED	BOX/BATCH CODE
000010	SS-1210-9 Stainless Union Elbow, 3/ CN:AA3237	4	0	4	24 R
000020	Z_CERTIFICATION	1	0	0	
000030	SS-1211-PC Stainless Port Connector,	1	0	1	13 R

LETTER OF CONFORMITY

With reference to this Purchase Order, we hereby certify that the goods supplied to you complies with the terms of the order contract.

I hereby certify that the above statement is true and correct to the best of my knowledge and belief.

Dennis J Melrose

Dennis J Melrose
Q.A. Manager

CONDITIONS OF SALE OVERLEAF:

ATTENTION IS DRAWN TO
CONDITIONS 4,5,7 & 9.

ALL INVOICES MUST BE PAID WITHIN 30
DAYS FROM DATE OF INVOICE.

SPECIAL
INSTRUCTIONS DT

Thank You

PACKING SLIP

SHIPPING CHARGES
5.50

PACKED BY



Swagelok Company
29500 Solon Rd
Solon, OH 44139
U.S.A

440.349.5600
440.519.4997 fax

Certificate of Compliance (EN 10204-2.1)

Distributor	Customer	Customer PO#
Teesside Fluid System Technologies Limited Whinbank Road Aycliffe Industrial Park Newton Aycliffe Co. Durham DL5 6HL England	SOIL MACHINE DYNAMICS LIMITED TURBINIA WORKS DAVY BANK WALLSEND TYNE AND WEAR NE6 3QS	60357

No.	Part Number	Qty
1	SS-1211-PC	1

Swagelok products referenced above are manufactured from material purchased and certified as being in accordance with the specification(s) listed.

The material stipulations included in this certification do not include such components as snap rings, springs, balls, o-rings, gaskets, jam nuts, space collars, seals, locking dogs, lanyards, or sleeves.

Stainless steel material has passed the Intergranular Corrosion Test requirements of EN ISO 3651-2, Method A, and/or ASTM A-262 Practice A or E.

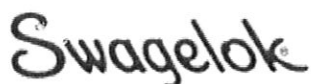
All parts were cleaned and packaged in accordance with Swagelok Specifications.

MATERIAL STANDARDS

Components	Material	Standards
Shaped Fittings	F316 Stainless Steel Forgings	ASTM A182, ASME SA182
Straight Fittings	316 Stainless Steel Bar	ASTM A276, ASTM A479, ASME SA479

The Swagelok product specified above were manufactured in accordance with Swagelok Company's Quality Assurance Manual (latest revision, revision G, dated February 22, 2006). Swagelok Company's Quality System is approved to ISO 9001 (BSI Certificate # FM01729).

Certifications Supervisor
Jonathan Seewald



Swagelok Company
29500 Solon Rd
Solon, OH 44139
U.S.A
440.349.5600
440.519.4997 fax

Certificate of Compliance/Typical Material Certification (EN 10204-2.2)

Distributor	Customer
Teesside Fluid System Technologies Limited Whinbank Road Aycliffe Industrial Park Newton Aycliffe Co. Durham DL5 6HL England	MICHAEL CRUDDACE SOIL MACHINE DYNAMICS LTD TURBINIA WORKS DAVY BANK WALLSEND TYNE & WEAR NE26 6UZ

No.	Part Number	Qty
1	SS-1210-9	4

Swagelok products referenced above are manufactured from material purchased and certified as being in accordance with the specification(s) listed.

The material stipulations included in this certification do not include such components as snap rings, springs, balls, o-rings, gaskets, jam nuts, space collars, seals, locking dogs, lanyards, or sleeves.

Stainless steel material has passed the Intergranular Corrosion Test requirements of EN ISO 3651-2, Method A, and/or ASTM A-262 Practice A or E.

All parts were cleaned and packaged in accordance with Swagelok Specifications.

Typical mechanical and/or chemical analysis of the material used in the manufacture of the Swagelok products involved are listed below. These values are average values determined from a sample of certified material test reports. Actual values for a material heat may vary from those indicated.

MATERIAL STANDARDS

Components	Material	Standards
Shaped Fittings	F316 Stainless Steel Forgings	ASTM A182, ASME SA182
Straight Fittings	316 Stainless Steel Bar	ASTM A276, ASTM A479, ASME SA479

MECHANICAL PROPERTIES

Components / Materials	Yield Strength (ksi/MPa)	Tensile Strength (ksi/MPa)	Elongation (%)	% Red. Area	Hardness
Shaped Fittings	48/331	90/621	61	76	HRC 22
Straight Fittings	93/641	108/745	36	73	

CHEMICAL ANALYSIS

Components / Materials	C	Cr	Mn	Mo	N	Ni	P	S	Si	Co
Shaped Fittings	0.043	17.16	1.57	2.09	0.042	12.23	0.028	0.025	0.60	
Straight Fittings	0.040	17.51	1.71	2.27	0.037	12.19	0.029	0.025	0.60	0.23

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Certifications Supervisor
Jonathan Seewald