



ATTESTATO DI ESAME CE DI TIPO

ATTESTATO DI ESAME CE DI TIPO NR.
EC TYPE EXAMINATION CERTIFICATE No.

I 0189

L'IMQ attesta la conformità ai requisiti essenziali stabiliti dalla Direttiva 95/16/CE del seguente prodotto:

IMQ certifies the compliance with the essential requirements stated by Directive 95/16/EC of the product hereunder:

VALVOLA DI BLOCCO / RUPTURE VALVE

(Categoria, tipo e marchio di fabbrica o commerciale / *Category, type and make or trade name*)

STAR ELEVATOR HYDRAULIK – TYPE / TYPE 1" 1/4

(Ulteriori informazioni sono riportate in allegato / *Further information are enclosed*)

Detentore dell'Attestato:

Certificate holder:

**START ELEVATOR HYDRAULIK di Lucchini Pier Guido
29010 INCROCIATA DI CALENDASCO PC**

Costruito da:

Manufactured by:

START ELEVATOR HYDRAULIK di Lucchini Pier Guido

A:

At:

INCROCIATA DI CALENDASCO PC

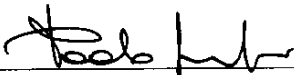
In base all'Allegato V della Direttiva 95/16/CE, il presente Attestato, unitamente al rispetto di una delle procedure ivi previste, consente alla Ditta di apporre sul prodotto sopradescritto la seguente marcatura:

According to the Annex V of the Directive, this Certificate, together with the compliance with one of the procedures therein foreseen allows the firm to affix on the above mentioned product the following marking:



Milano, 2000-07-12

Milan


IMQ

Il presente Attestato annulla e sostituisce il precedente
This Certificate cancels and replaces the previous one.

No. I 0189 del/of 1998-07-24

IMQ - VIA QUINTILIANO 43 - 20138 MILANO MI - I

ANNEX TO EC TYPE EXAMINATION CERTIFICATE Nr. I 0189

(Seq. Nr. 98001684)

Date of submission for ECC type-examination : 1997.09.18
Date and number of laboratory report : 1998.07.24 – 50A9800017
2000.05.11 – 50A99A0202
Date of EEC type-examination : 2000.07.12
Type : 1"1 / 4

Additional information

Trade Mark : START ELEVATOR HYDRAULIK
Model : 04080 / 01
Minimum flow: 50 (l / min)
Maximum flow: 180 (l / min)
Minimum static pressure: 10 (bar)
Maximum static pressure: 47 (bar)
Minimum viscosity: 14 (cSt)
Maximum viscosity: 290 (cSt)
Minimum ambient temperature: 10°C
Maximum ambient temperature: 70°C

Date of issue : 1998.07.24
Updating : 2000.07.12
Supersedes : 1998.07.24 which is to be intended cancelled

ANNEX TO EC TYPE EXAMINATION CERTIFICATE Nr. I 0189

(Seq. Nr. 98001684)

Additional information

Trade Mark :	START ELEVATOR HYDRAULIK
Model :	04080 / 02
Minimum flow:	50 (l / min)
Maximum flow:	180 (l / min)
Minimum static pressure:	10 (bar)
Maximum static pressure:	47 (bar)
Minimum viscosity:	14 (cSt)
Maximum viscosity:	290 (cSt)
Minimum ambient temperature:	10°C
Maximum ambient temperature:	70°C

Date of issue : 1998.07.24
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PAGE 2/6



INSIEME PER LA QUALITÀ E LA SICUREZZA

ANNEX TO EC TYPE EXAMINATION CERTIFICATE Nr. I 0189
(Seq. Nr. 98001684)***Additional information***

Trade Mark :	START ELEVATOR HYDRAULIK
Model :	04080 / 03
Minimum flow:	50 (l / min)
Maximum flow:	180 (l / min)
Minimum static pressure:	10 (bar)
Maximum static pressure:	47 (bar)
Minimum viscosity:	14 (cSt)
Maximum viscosity:	290 (cSt)
Minimum ambient temperature:	10°C
Maximum ambient temperature:	70°C

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PAGE 3/6

ANNEX TO EC TYPE EXAMINATION CERTIFICATE Nr. I 0189
(Seq. Nr. 98001684)***Additional information***

Trade Mark :	START ELEVATOR HYDRAULIK
Model :	04080 / 04
Minimum flow:	50 (l / min)
Maximum flow:	180 (l / min)
Minimum static pressure:	10 (bar)
Maximum static pressure:	47 (bar)
Minimum viscosity:	14 (cSt)
Maximum viscosity:	290 (cSt)
Minimum ambient temperature:	10°C
Maximum ambient temperature:	70°C

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PAGE 4/6

ANNEX TO EC TYPE EXAMINATION CERTIFICATE Nr. I 0189
(Seq. Nr. 98001684)***Additional information***

Trade Mark :	START ELEVATOR HYDRAULIK
Model :	04080 / 05
Minimum flow:	50 (l / min)
Maximum flow:	180 (l / min)
Minimum static pressure:	10 (bar)
Maximum static pressure:	47 (bar)
Minimum viscosity:	14 (cSt)
Maximum viscosity:	290 (cSt)
Minimum ambient temperature:	10°C
Maximum ambient temperature:	70°C

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PAGE 5/6

ANNEX TO EC TYPE EXAMINATION CERTIFICATE Nr. I 0189

(Seq. Nr. 98001684)

NUMBER OF DESIGN	TITLE
04.080.ND	Valvola pistone 2000 tipo 1" ¼
04.051.ND	Tappo pilotaggio valvola
04.079.00	Corpo valvola 1" ¼
04.059.ND	Tappo valvola pistone 98
04.078.00	Otturatore valvola 1" ¼
99.017.ND	Filtri di rete
99.001.ND.B	Molle a compressione
08.004.00.A	Tappo
04.083.00	Vite di reg. con arresto
04.004.ND.A	Raccordo
04.007.ND.A	Raccordo
08 166 /I	Regolaz. Valvola di blocco per pistone tipo 1" ¼

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PAGE 6/6



INSIEME PER LA QUALITÀ E LA SICUREZZA

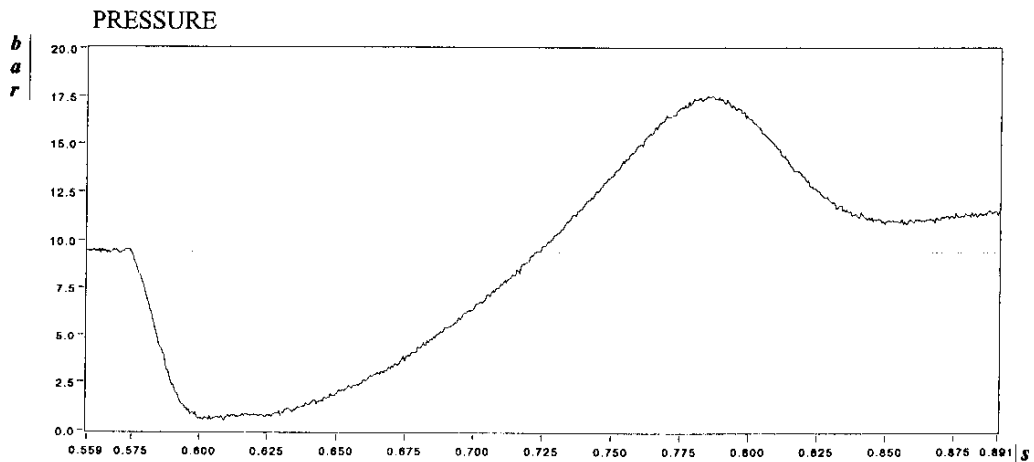
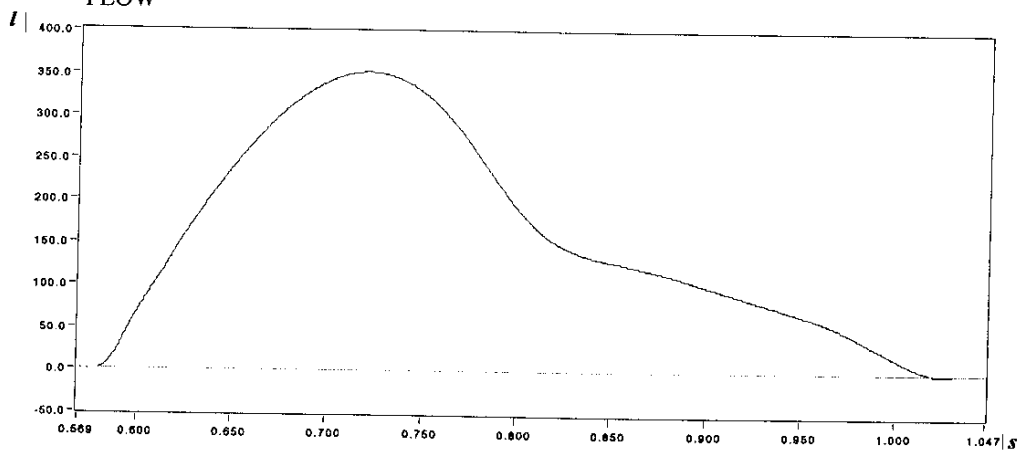
ANNEX TO EC TYPE EXAMINATION CERTIFICATE Nr. I 0189

(Seq. Nr. 98001684)

Diagramm Annex

Relationship between flow of hydraulic fluid and pressure of rupture valve.

Manufacturer : **START ELEVATOR**
Series : **1" ¼**
Models : **04080/01; 04080/02; 04080/03; 04080/04; 04080/05**
Ambient temperature : **10°C**
Pressure : **10 bar**



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PAGE 1/2

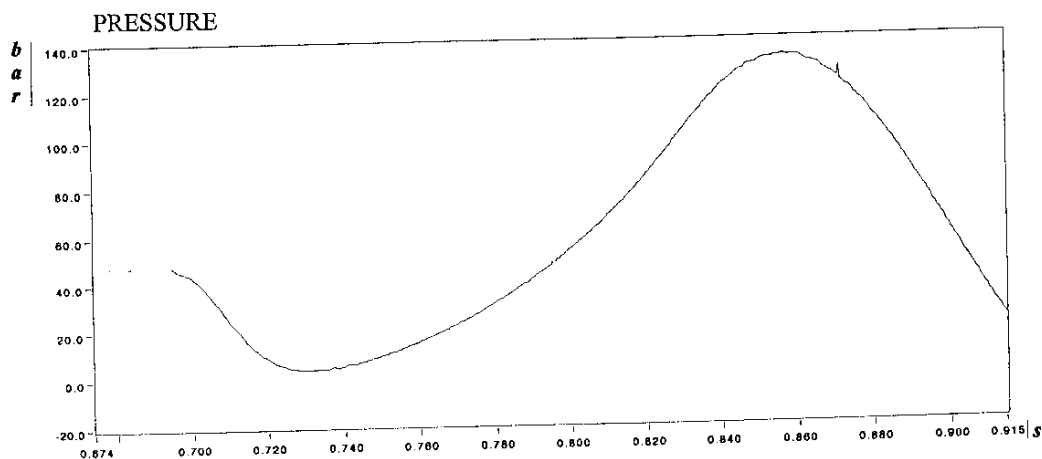
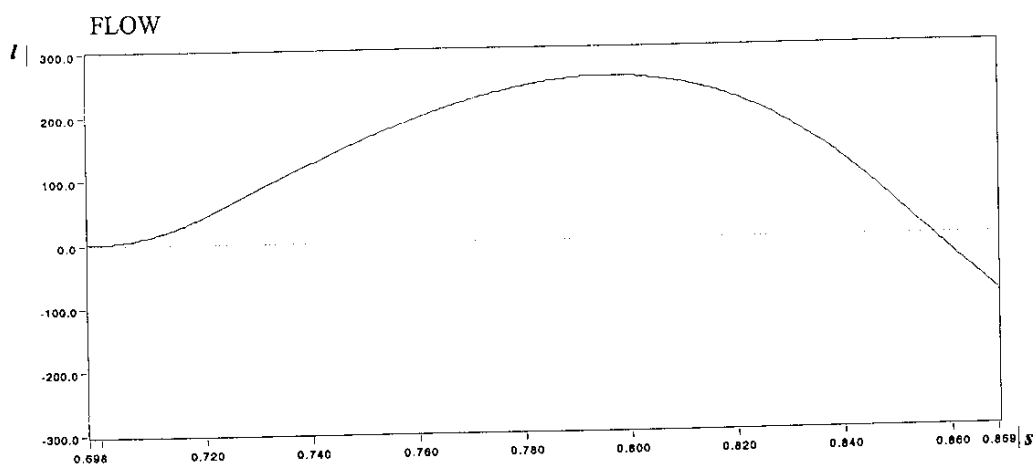
ANNEX TO EC TYPE EXAMINATION CERTIFICATE Nr. I 0189

(Seq. Nr. 98001684)

Diagramm Annex

Relationship between flow of hydraulic fluid and pressure of rupture valve.

Manufacturer : START ELEVATOR
Series : 1" 1/4
Models : 04080/01; 04080/02; 04080/03; 04080/04; 04080/05
Ambient temperature : 70°C
Pressure : 47 bar



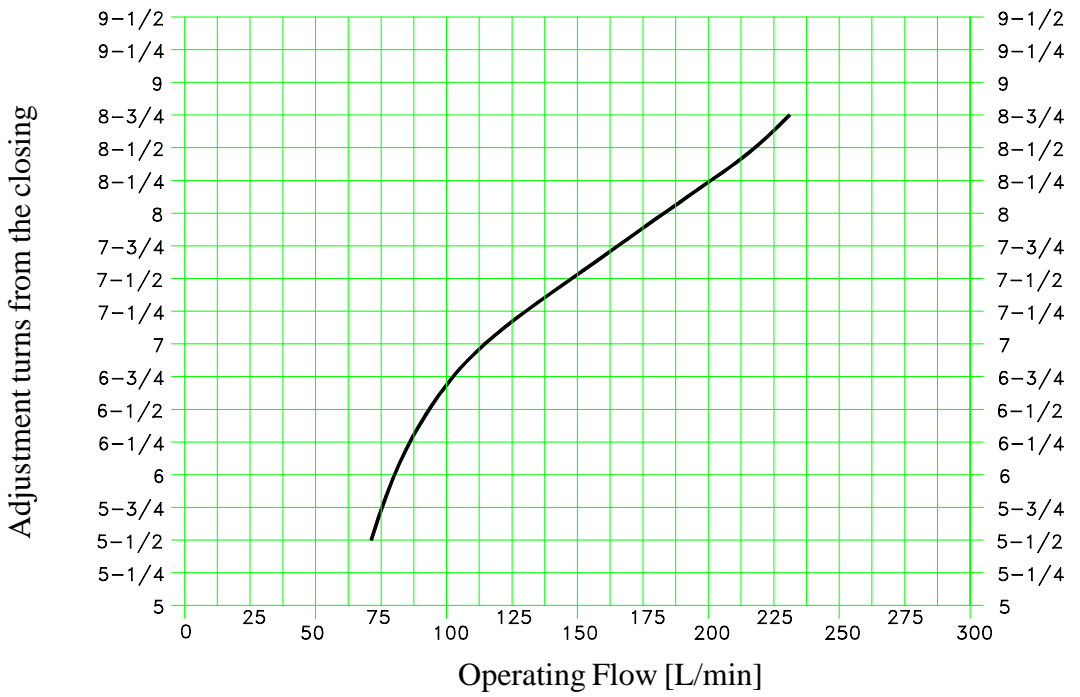
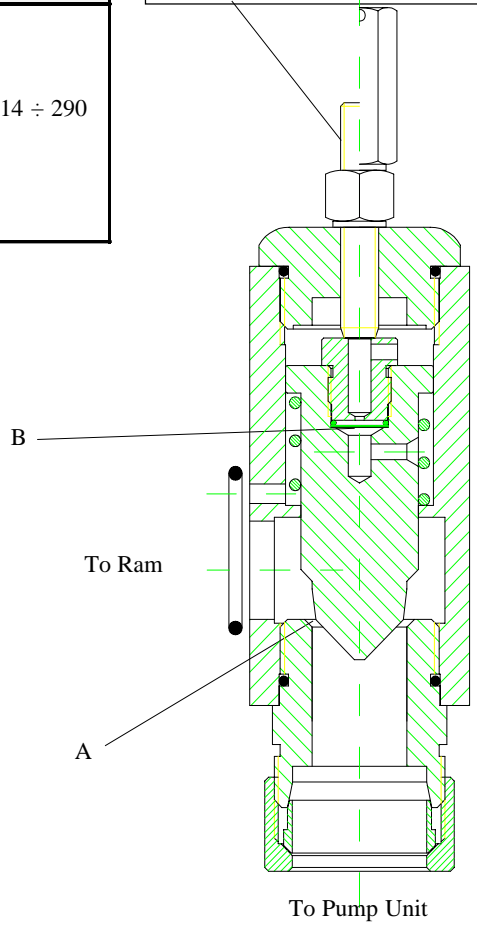
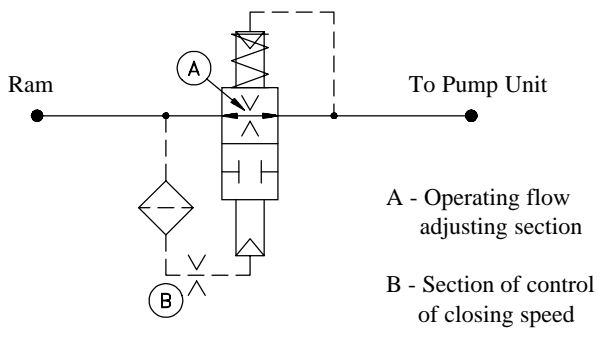
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PAGE 2/2

Valve Type	Identification	Pump Unit Connection	Nominal Flow L/min min ÷ max	Static Pressure bar min ÷ max	Oil Viscosity cSt min ÷ max
1"1/4	Cod. 04080 01	35 - M 45 x 2	55 ÷ 180	10 ÷ 45	14 ÷ 290
	Cod. 04080 02	42 - M 52 x 2			
	Cod. 04080 03	Gas 1"1/4			
	Cod. 04080 04	Gas 1"			
	Cod. 04080 05	Gas 1"1/2			

screw clockwise
to decrease the intervention flow rate
screw anticlockwise
to increase the intervention flow rate

Schematic Diagram



**SAFETY VALVE
ADJUSTING
TYPE 1"1/4**



Start Elevator Hydraulik

08 166 / G

rev. 0

1/2

Valve adjustment instructions

The following tables give instructions to adjust the block valves on the basis of the litres normally used in the pump unit.

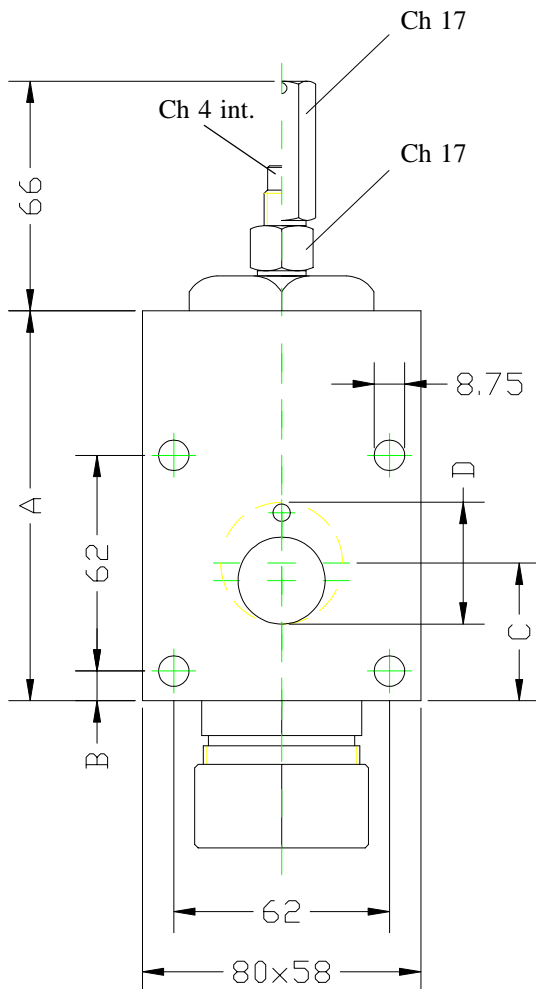
If the nominal operating flow rate of the unit is not indicated in the table, see the diagram on sheet 1 to find the right adjustment for the best intervention flow rate.

Once acquainted with the value of the adjusting turns, turn anticlockwise the valve cap, loosen the lock nut and turn clockwise the adjusting screw to the closing valve limit.

Then turn it anticlockwise to reach the adjusting value previously calculated.

Tighten the lock nut and turn the cap clockwise checking if there are oil leakages.

An intervention test is then recommended, following the instructions of the pump unit manufacturer.



VALVE 1"1/4 ADJUSTMENTS TABLE

Pump litres	Adjust.turns	L/min oper.	increase %
55	5 1/2	71	30
70	6 1/4	86	23
100	7 1/4	130	30
120	7 1/2	148	23
150	8	183	22
180	8 1/2	218	21

DIMENSIONS TABLE [mm]

VALVE TYPE	1"1/4
A	112
B	8,5
C	39,5
D	35