



CHRYSSAFIDIS

valve cimberio

CIM 787

ΒΑΛΒΙΔΕΣ ΡΥΘΜΙΣΗΣ – ΜΕΤΡΗΣΗΣ ΠΑΡΟΧΗΣ

VARIABLE ORIFICE BALANCING VALVES



SERVICE RECOMMENDATIONS:

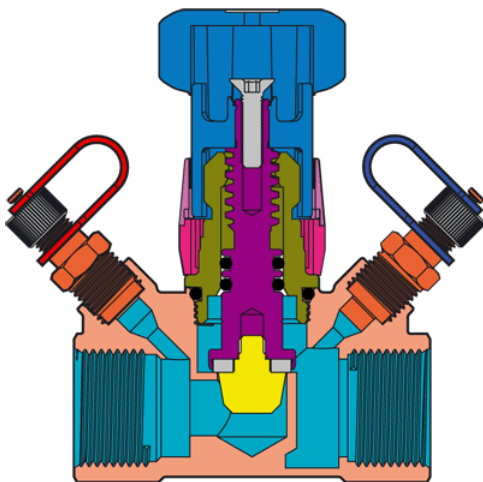
Cim 787 variable orifice balancing valves are suitable for both heating (LPHW) and cooling applications at working pressures up to 20 bar.

Are available in DZR brass (Cim 787) or in standard brass (Cim 787OT).

The main features of Cim 787 balancing valves are as follows:

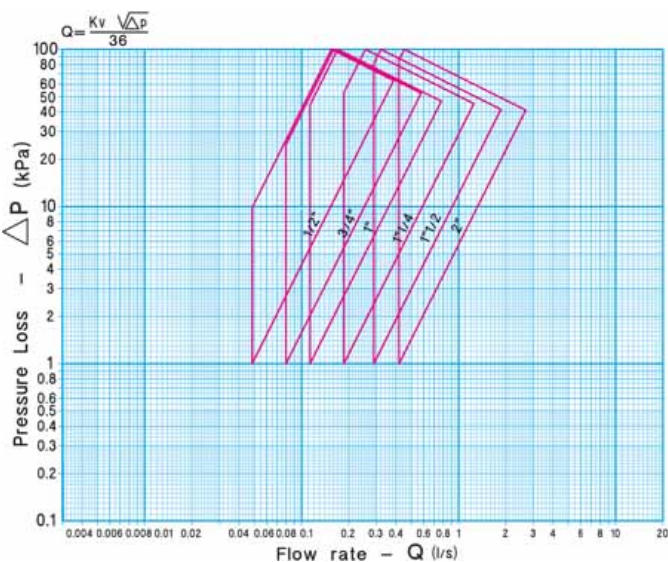
- A thread locking mechanism so that valve settings can be accurately locked enabling the valve to be closed and re-opened to its exact pre-set position.
- Allen key locking of valve positions.
- A valve position indicator scale which can be read from any angle.
- An EPDM lined valve plug providing tight shut-off for isolation purposes.
- Pressure Class: PN20. Temperature: -10°C÷120°C

CROSS SECTION



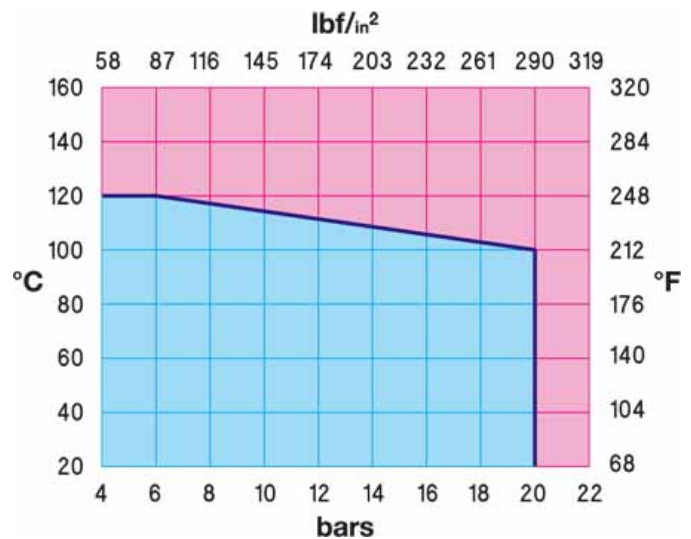
BODY :	BRASS EN12165-CW602N
BONNET :	BRASS EN12165-CW602N
STEM :	BRASS EN12165-CW602N
GASKET :	EPDM
SHUTTER :	BRASS EN12165-CW602N
INDEX :	HOSTAFORM
ENTRAINER :	NYLON 6
KNOB :	NYLON 6
1/10 TURN INDEX :	HOSTAFORM
SCREW :	STEEL
ORING :	HNBR
BINDER POINTS :	BRASS EN12165-CW617N/SILICONIC RUBBER

FLOW AND PRESSURE DROP



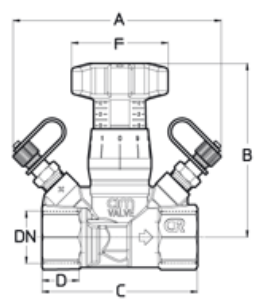
Flow and pressure drop
 1 l/min = 0,06 m³/h
 1 m³/h = 16,67 l/min

PRESSURE TEMPERATURE RATINGS



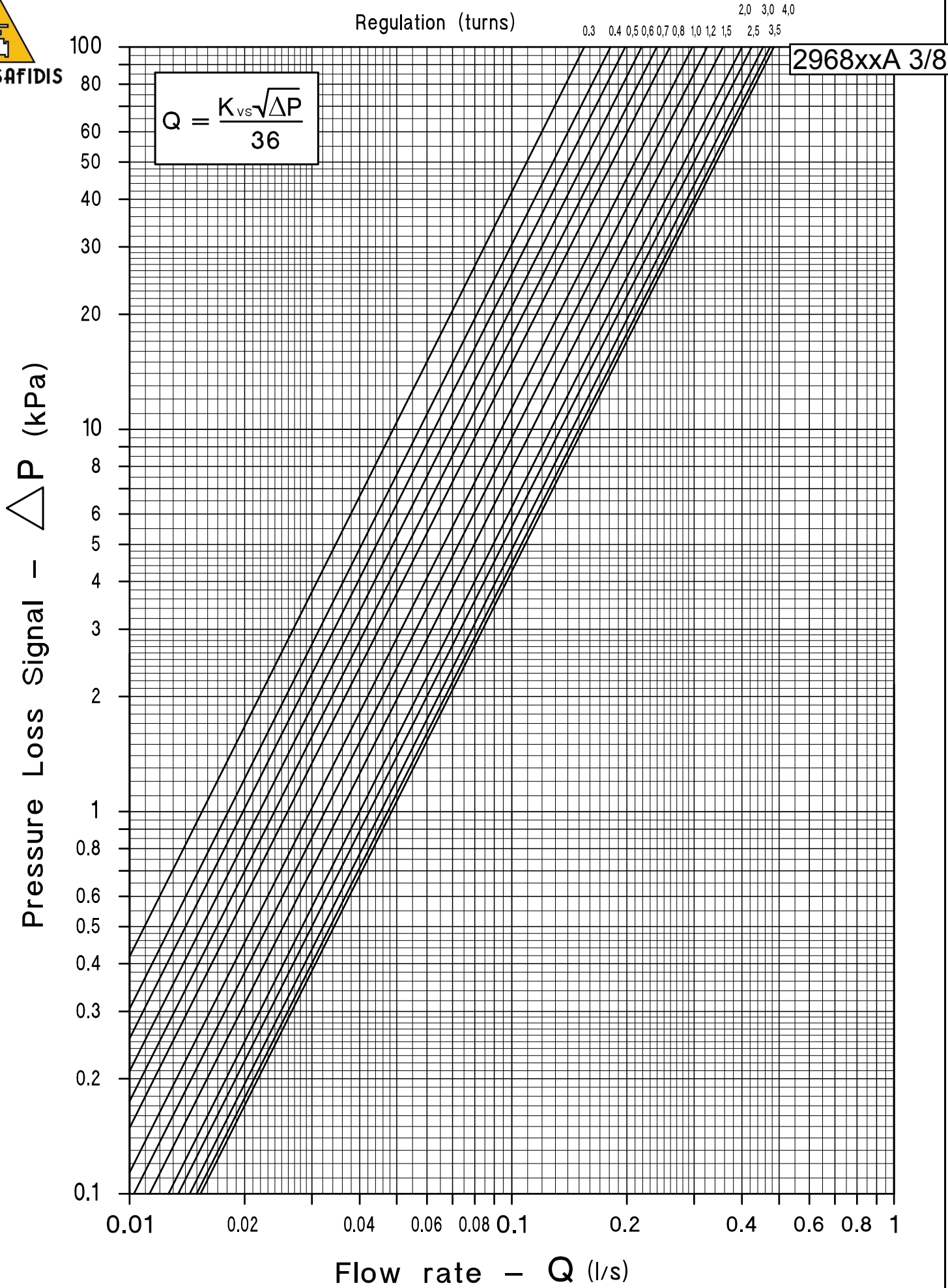
Pressure / temperature ratings
 1 bar = 14,5 p.s.i.
 °C = 5/9 (°F-32)
 °F = 32+9/5 °C

TECHNICAL DRAWING




DN	1/2	3/4	1"	1 1/4"	1 1/2"	2"
Kvs	1,7	2,9	4,1	6,7	10,4	15,1
Grms.	380	440	535	960	1120	1350
A	106	107	107	123	128	132
B	87,5	89,5	91,5	99	99	100
C	75	80	87	108	115	124
D	16	19	21	22,5	23	26,5
F	50	50	50	50	50	50



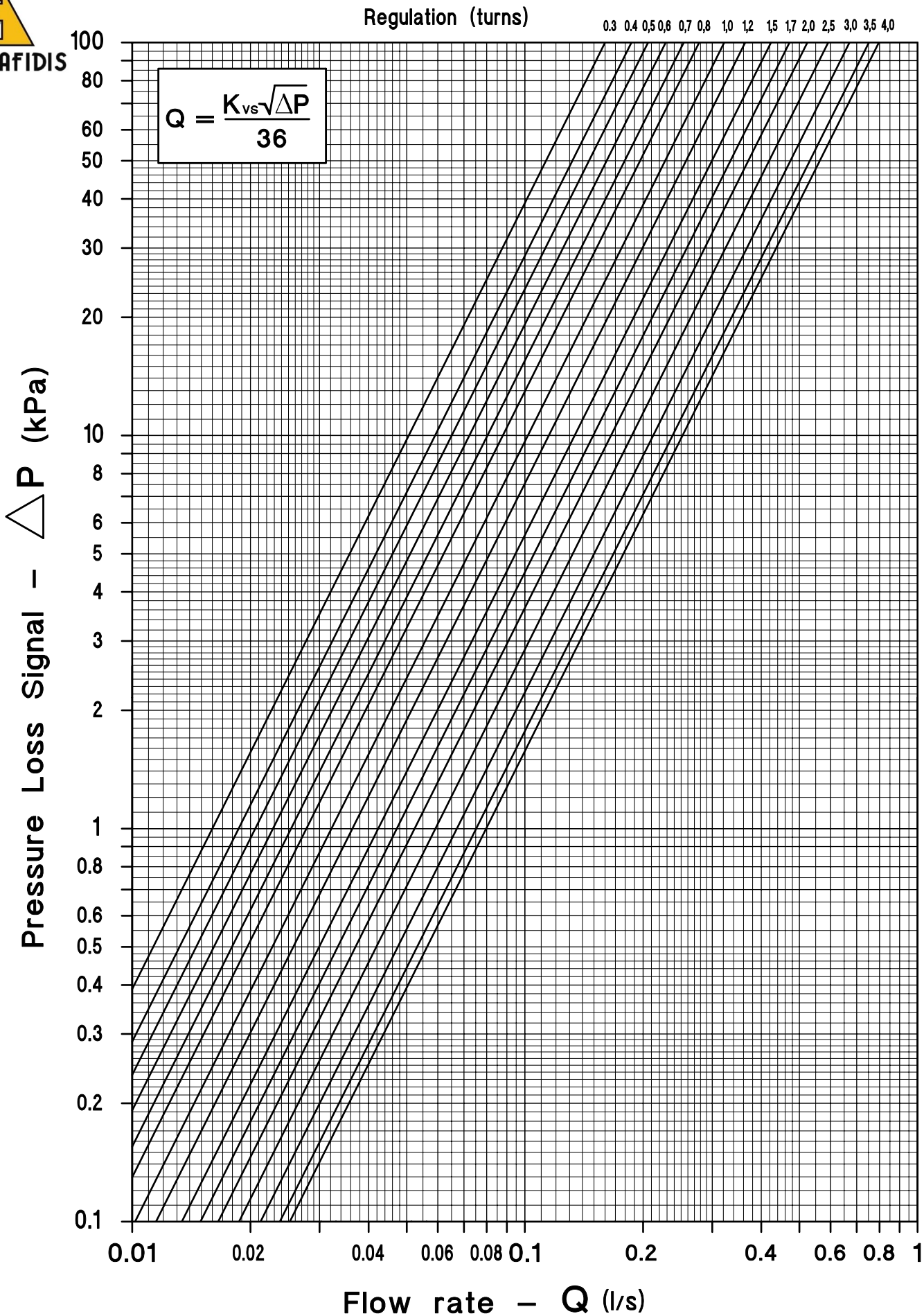


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 S. MAURIZIO D'OPAGLIO (Italy) 28017	DENOMINAZIONE	DISEGNO	D2150
	FIG.787 - FIG.7870T 1/2' Balancing Valve	MODIFICA	N°
		DATA	DISEG.
		07.07.08	A.R.



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DENOMINAZIONE
FIG.787 - FIG.7870T 3/4'
Balancing Valve

DISEGNO	D2151
MODIFICA	N° 1 2 3 4
DATA	09.07.08
DISEG.	A.R.

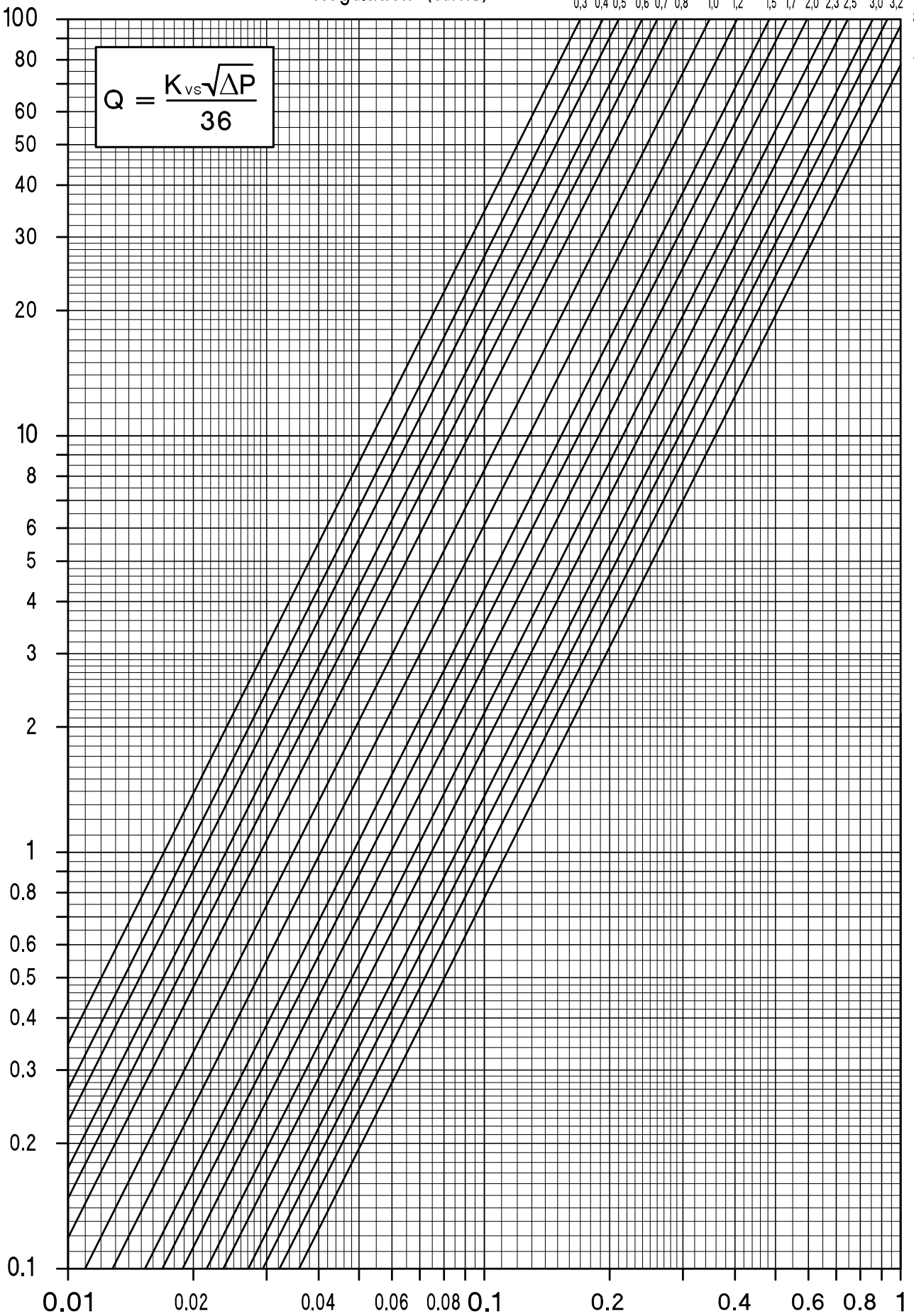
Regulation (turns)

0,3 0,4 0,5 0,6 0,7 0,8 1,0 1,2 1,5 1,7 2,0 2,3 2,5 3,0 3,2

3,5
4,0

$$Q = \frac{K_{vs} \sqrt{\Delta P}}{36}$$

Pressure Loss Signal – ΔP (kPa)



Flow rate – Q (l/s)



S. MAURIZIO D'OPAGLIO (Italy) 28017

DENOMINAZIONE

FIG.787 - FIG.7870T 1"

Balancing Valve

DISEGNO

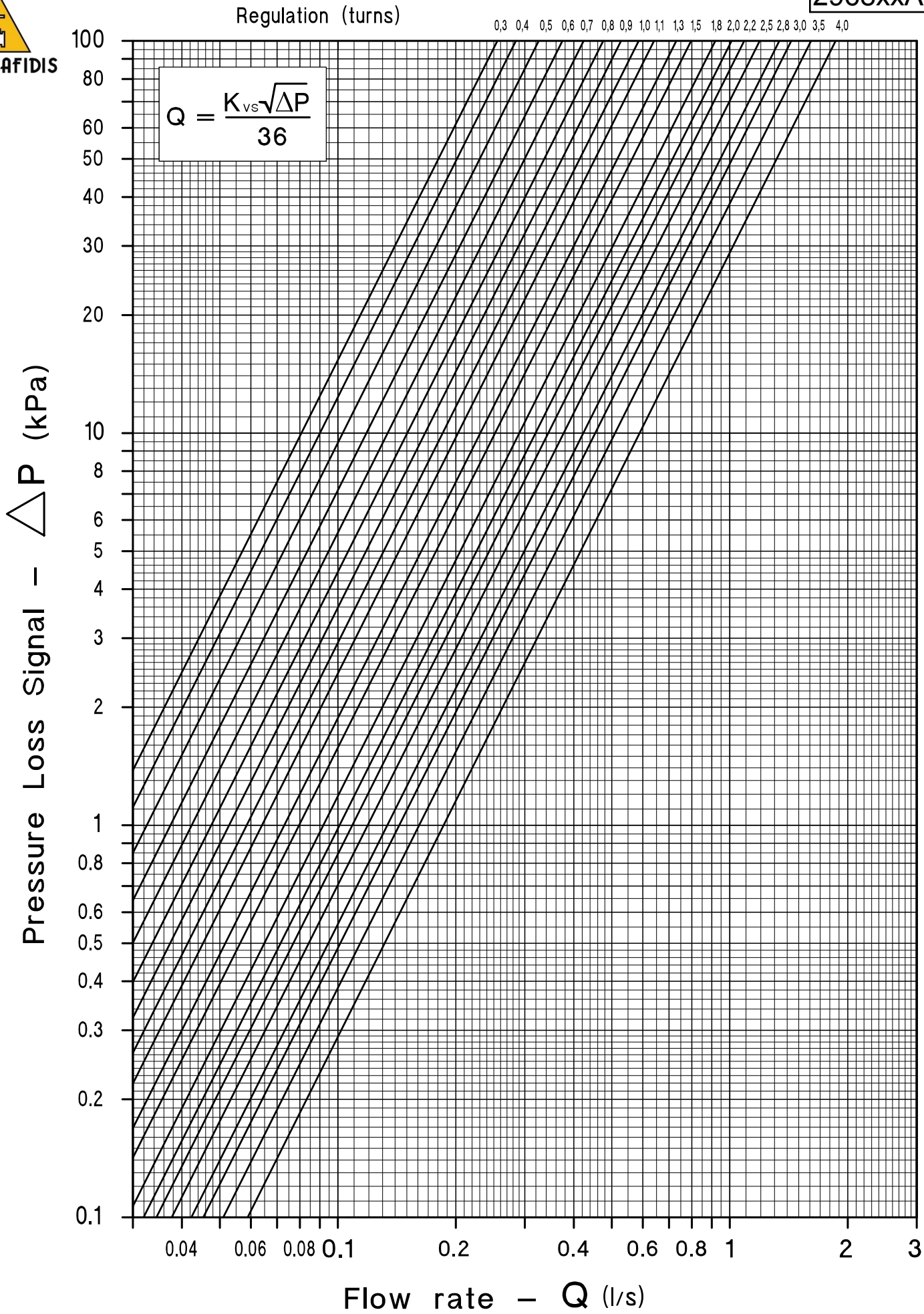
D2153

MODIFICA


N° **1 2 3 4**

DATA **14.07.08**

DISEG. **A.R.**

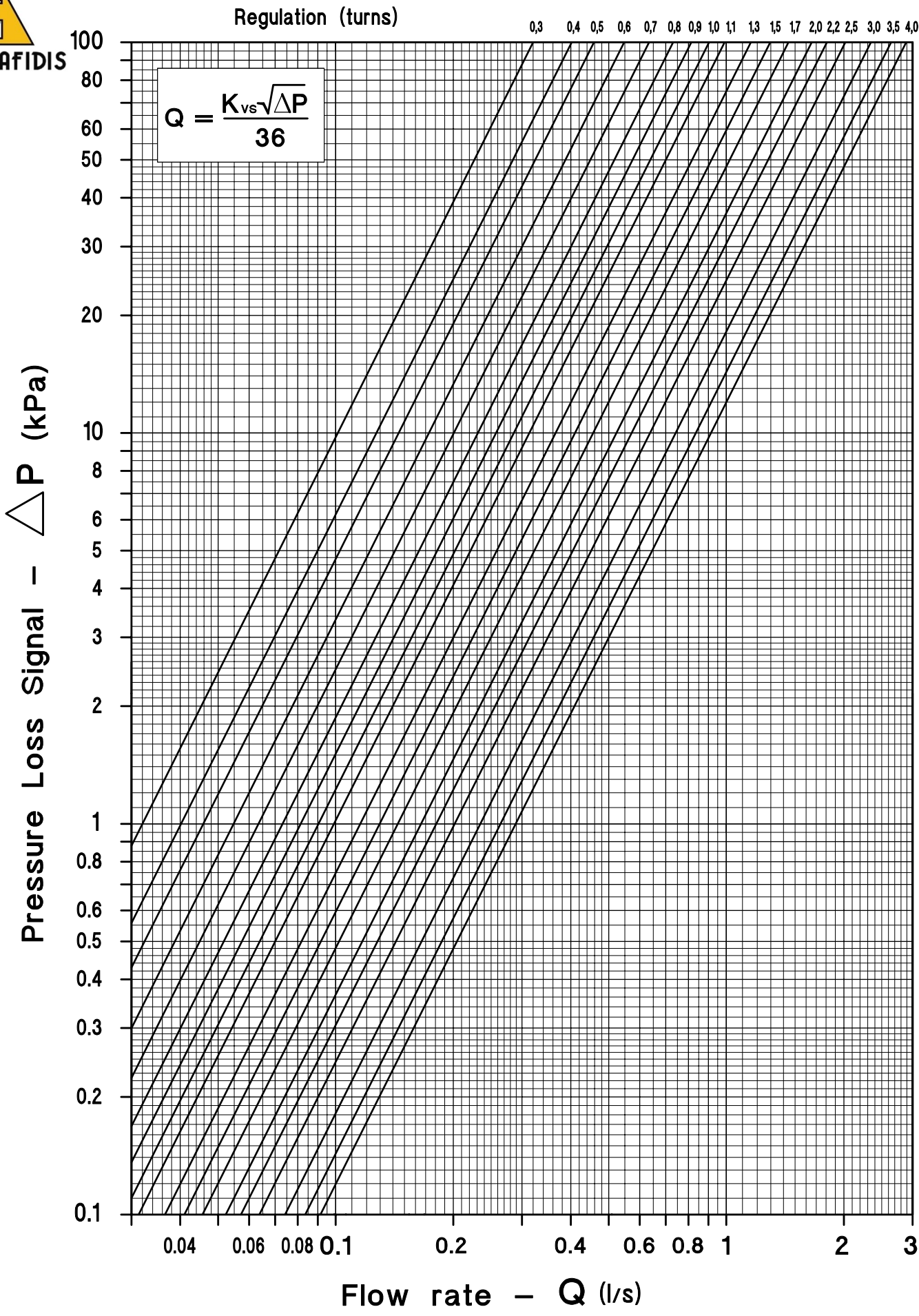


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	DENOMINAZIONE	DISEGNO	D2160
	<i>Fig.787 - FIG.7870T 11/4"</i> Balancing Valve	MODIFICA	N° 1 2 3 4
S. MAURIZIO D'OPAGLIO (Italy) 28017		DATA	28.07.08
		DISEG.	A.R.



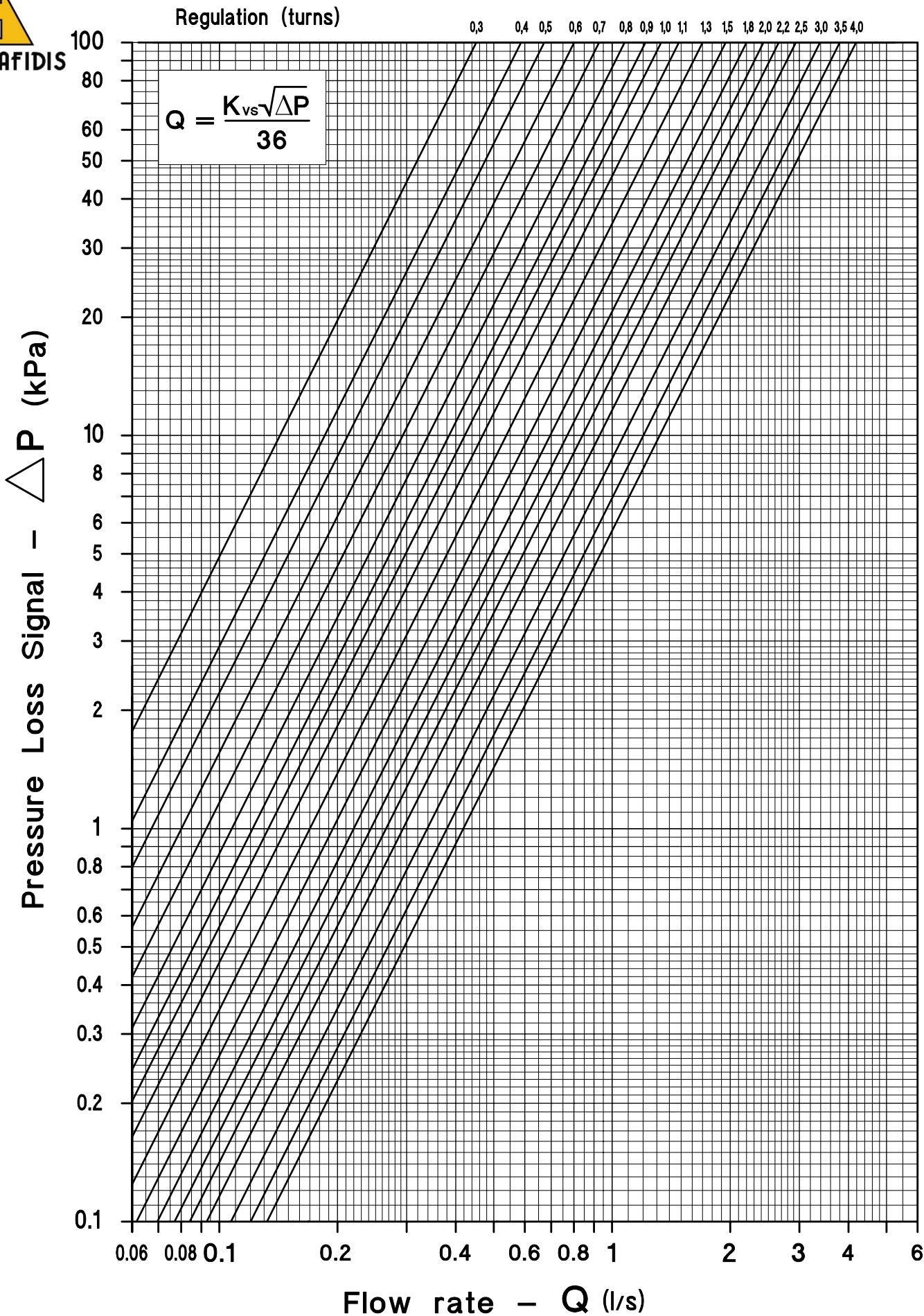
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	DENOMINAZIONE		DISEGNO	
	Fig.787 - FIG.7870T 1 1/2"		D2159	
Balancing Valve		MODIFICA		N° 1 2 3 4
S. MAURIZIO D'OPAGLIO (Italy) 28017		DATA		DISEG. A.R.



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DENOMINAZIONE
Fig.787 - FIG.7870T 2'
Balancing Valve

DISEGNO	D2158				
MODIFICA	N°	1	2	3	4
DATA	28.07.08	DISEG. A.R.			