



FT 290

GAUGE ISOLATOR VALVES

In line gauge isolator needle valves

The FT 290 isolator needle valves (in line) are normally used to protect the pressure gauge, since they have the double function of dampening pressure surge during opening and of isolating the pressure-gauge entirely.

A rotating (locating) swivel nut allows for accurate pressure gauge orientation.

For pressure-gauges with taper thread, it is necessary to use copper plug nuts FT 1201 illustrated on page 104 of this catalog to be requested separately.

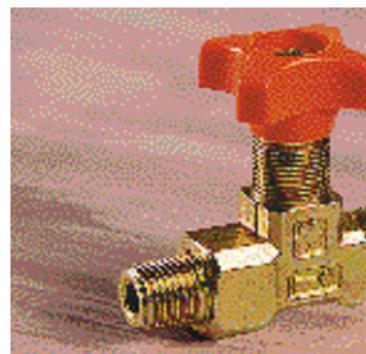
Suitable for pressure up to 400 bar and temperature from -20 to +100 they can be panel mounted by use of lock nut (G) which may be supplied on request.

On request

- Versions with connections Female/Female
- For rigid pipes (04)
- For flexible pipes (05)
- Seals in Viton (V)
- Complete with lock nut (G). Indicate with G or hexagonal.

MATERIALS

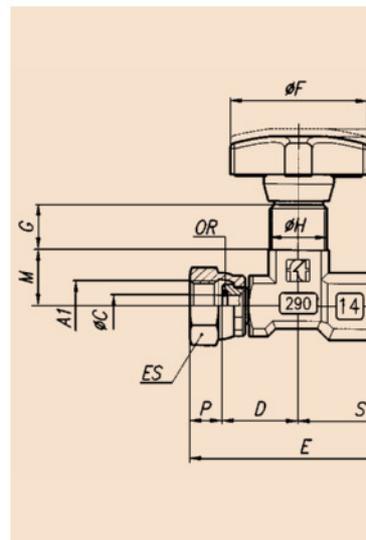
Body	9 S Mn Pb 23 - UNI 5105 Press forg.
Needle	35 S Mn Pb 10 - UNI 5105 Burnished
Or	Nitrile
Antiextrusion ring	PTFE
Handwheel	Nylon 66



EXAMPLE FOR ORDERING

		Special version	Accessories on request	
Code	Type	Connection Fem./Fem.	Lock nut	Viton seal
FT 290	14	01	G	V
FT 290	12	-	G	-

Code FT 290



CODE FT 290

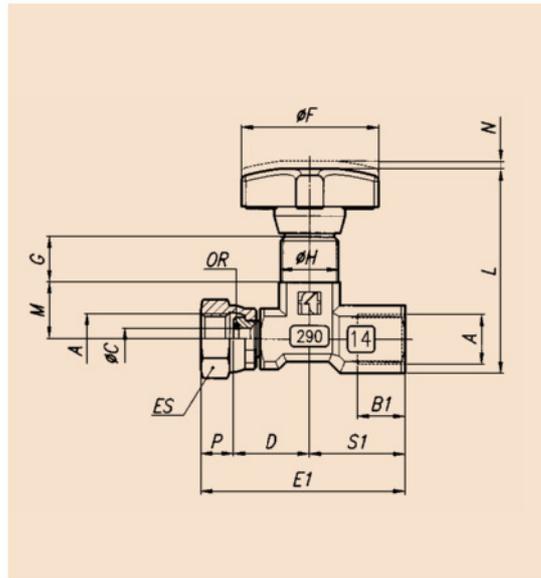
Type	A1 UNI 338	A2 UNI 339	B	C	D	E	F	G	H	L	M	N	P	S	OR
14	1/4"G	1/4"Gc	13	5.6	20	61.5	34	12	M15x1	53	15	2	8.5	33	2018
12	1/2"G	1/2"Gc	16	6.5	32	83	40	12.5	M20x1	82.5	19	6	11	40	2021

Note: Instructions for panel mounting on page 102

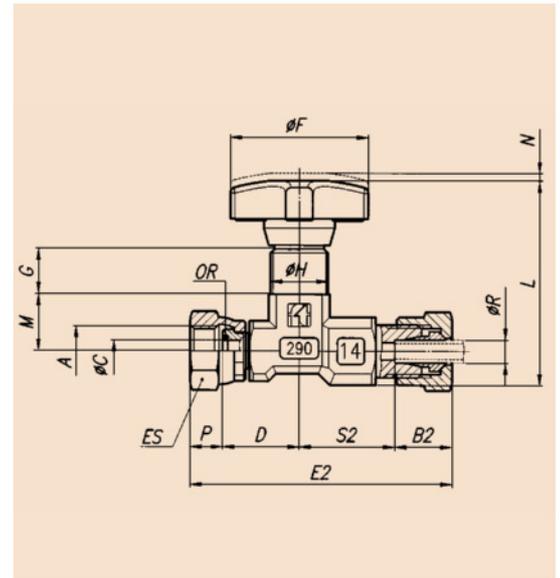


Special versions only for type 14
 Supplied on request for quantities of at
 least 200 pieces

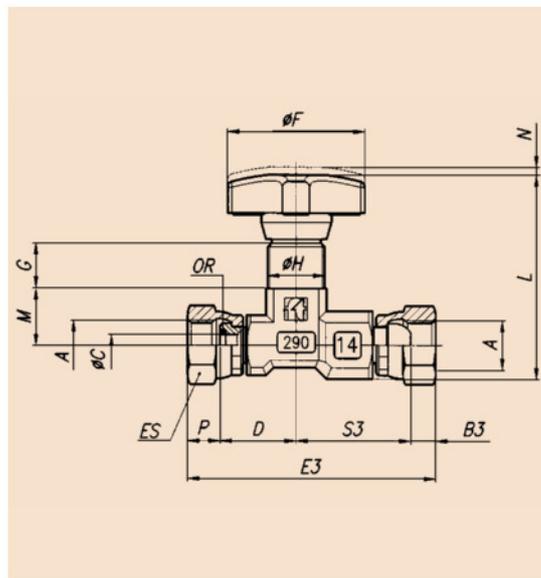
Code FT 290-01
 Connection: Female-Female



Code FT 290-04
 Connection: rigid pipes - DIN 2353



Code FT 290-05
 Connection: flexible pipes DIN 3861
 DIN 7611



A	B1	B2	B3	C	D	E1	E2	E3	F	G	H	L	M	N	P	R	S1	S2	S3
1/4"G	11	15	6.5	5.6	20	54.5	69.5	66	34	12	M15x1	53	15	2	8.5	6	25	25	30

UNI 338



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FT 291

GAUGE ISOLATOR VALVES

90° angle gauge isolator needle valves

The FT 291 isolator needle valves (angle) are normally used to protect the pressure gauge since they have the double function of dampening pressure surge during opening and of isolating the pressure-gauge entirely.

A rotating (locating) swivel nut allows for accurate pressure gauge orientation.

For pressure - gauges with taper threads, it will be necessary to use copper plug nuts FT 1201 illustrated on page 104 of this catalog to be requested separately.

Provided with connector FT 299-24 (see page 103) they also allow the connection of "Pressure gauges with connection 1/2" Gas". (As alternative it is advisable to use the mod. FT 290-12).

Suitable for pressure up to 400 bar and temperature from -20 to +100 they can be panel mounted by use of

lock nut (G) which may be supplied on request

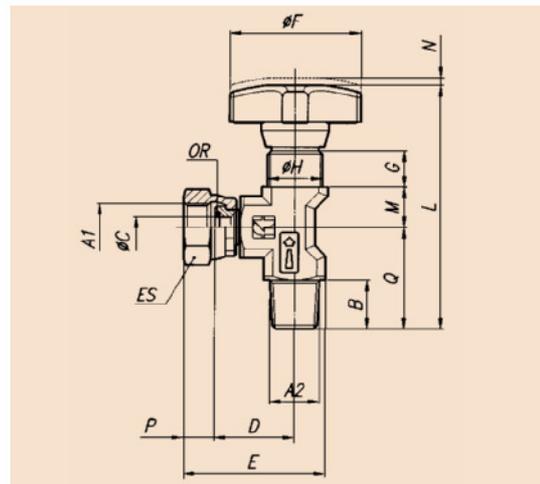
On request

- Versions with connections Female/Female
- For rigid pipes (04)
- For flexible pipes (05)
- Seals in Viton (V)
- Complete with lock nut (G). Indicate version with Viton seal or hexagonal.

MATERIALS

Body	9 S Mn Pb 23 - UNI 5105 Press forg.
Needle	35 S Mn Pb 10 - UNI 5105 Brunished
Or	Nitrile
Antiextrusion ring	PTFE
Handwheel	Nylon 66

Code FT 291



EXAMPLE FOR ORDERING

Accessories on request			
Code	Connections Fem./Fem.	Lock nut	Viton seal
FT 291	01	G	V

CODE FT 291

A1	A2	B	C	D	E	F	G	H	L	M	N	P	Q	ES	OR
UNI 338	UNI 339														
1/4"G	1/4"Gc	13.5	5.6	22	40	34	10	M15x1	66	11	2	8.5	28	18	21

Note: Instructions for panel mounting on page 102



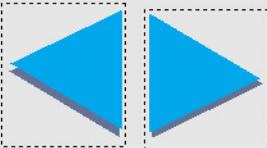
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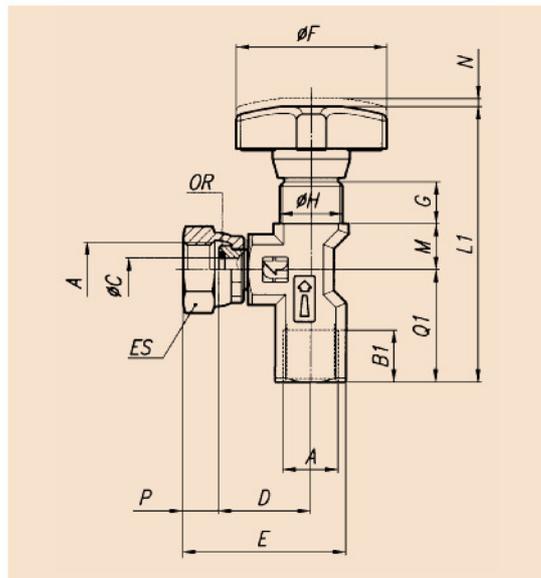
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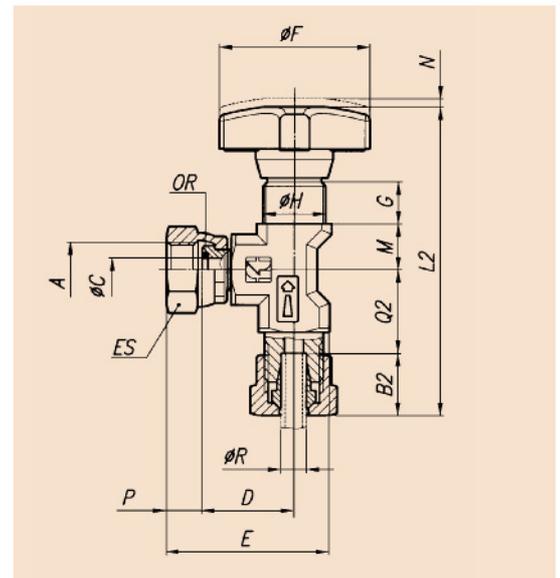
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Special versions
Supplied on request for quantities of at
least 200 pieces

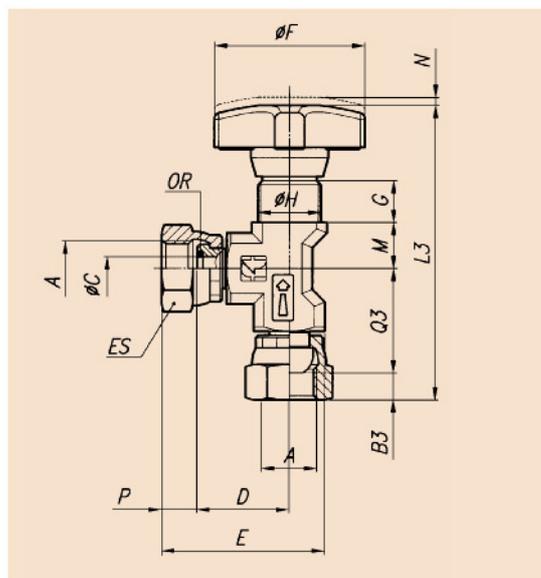
Code FT 291-01
Connection: Female-Female



Code FT 291-04
Connection: rigid pipes - DIN 2353



Code FT 291-05
Connection: flexible pipes DIN 3861
DIN 7611



A	B1	B2	B3	C	D	E	F	G	H	L1	L2	L3	M	N	P	Q1	Q2	Q3	R
1/4"G	11	15	6.5	5.6	22	40	34	10	M15x1	65	73	69.5	11	2	9.5	27	20	25	6

UNI 338





Pressure gauge swivel adaptors - 400 bar rated

Adaptors FT 299 allow the connection of a pressure gauge direct to the system. They provide for correct dial orientation.

The adaptor has a built in 'O-ring' seal for use with pressure gauges with sealing nipple to DIN 16288.

The oil flow is restricted to the gauge dampen any pressure shock surges.

A gasket, supplied as current product and inserted in the rotating nut, impedes any blow-by between fitting and pressure gauge. In case the pressure-gauge is provided with a taper thread, it is necessary to use copper plug nuts FT 1201 on page 104 of this catalogue, to be requested separately.

Max. working pressure is 400 bar.



Body	9 S Mn Pb 23 - UNI 5105
Nut	9 S Mn Pb 23 - UNI 5105
Or	Nitrile



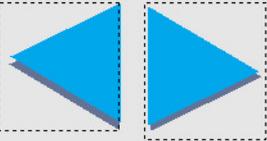
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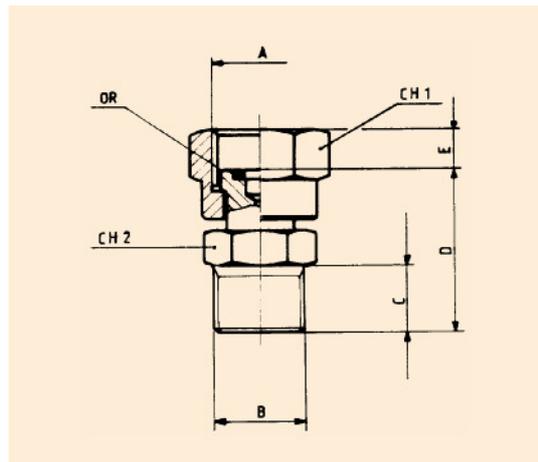
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Code	Type
FT 299	44

Type	A	B	C	D	E	OR	CH1	CH2	Weight kg
	UNI 338	UNI 339							
88	1/8"G	1/8"Gc	9	22	7.5	2010	14	12	0.021
44	1/4"G	1/4"Gc	13	27	9.5	2018	18	17	0.040
42	1/4"G	1/4"Gc	16	31	9.5	2018	18	22	0.068
24	1/2"G	1/2"Gc	13	31	11	108	27	22	0.090
22	1/2"G	1/2"Gc	16	34	11	108	27	22	0.100

On request with cylindrical thread