

TRIM, TRIM A



Return lockshields

Return valves for presetting and shut-off

*Engineering
GREAT Solutions*

TRIM, TRIM A

This rugged balancing and shut-off return valve is designed for radiators and terminal units, and is the ideal product for heating, cooling and tap water systems.

Key features

> Presetting

Set the right flow level in advance for more accurate balancing. Simple allen key operation.

> KOMBI connections

Flexible range of compression couplings ensures a smoother installation.

> AMETAL®

Dezincification resistant alloy that guarantees a longer valve lifetime, and lowers the risk of leakage.



Technical description

Application:

Heating and cooling systems
Tapwater systems

Function:

Adjustment
Pre-setting
Shut-off

Dimensions:

DN 10-20

Pressure class:

PN 16

Temperature:

Max. working temperature: 120°C
Min. working temperature: -10°C

Material:

TRIM:
Valve body: Brass
Disc: Brass
Spindle: Brass
Lid: AMETAL®
O-ring: EPDM
TRIM A:
Valve body: AMETAL®
Disc: AMETAL®
Spindle: AMETAL®
Lid: Brass
O-ring: Nitril
Straight union: AMETAL®

AMETAL® is the dezincification resistant alloy of IMI Hydronic Engineering.

Surface treatment:

Nickel-plated.

Marking:

TRIM: Valve body marked with TA.
TRIM A: Valve body marked with TA, TRIM and inch size.

Setting

Shut-off/Presetting

One valve disc for shut-off/presetting.

Size of allen key:

DN 10/15 4 mm

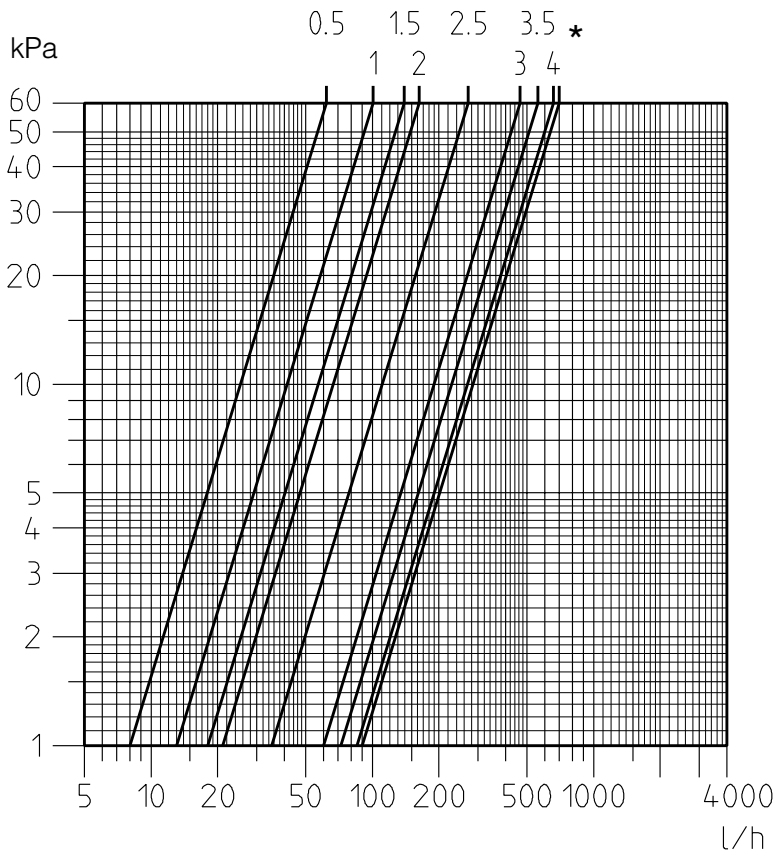
DN 20 6 mm

Presetting TRIM A

Preset the valve by removing the cover and using an Allen key to close the valve completely. Then open the valve by the number of turns as shown in the diagram below to give the required setting: finish by replacing the cover.

Note: If the valve is subsequently closed, the pre-setting will be lost, and the valve must be preset again.

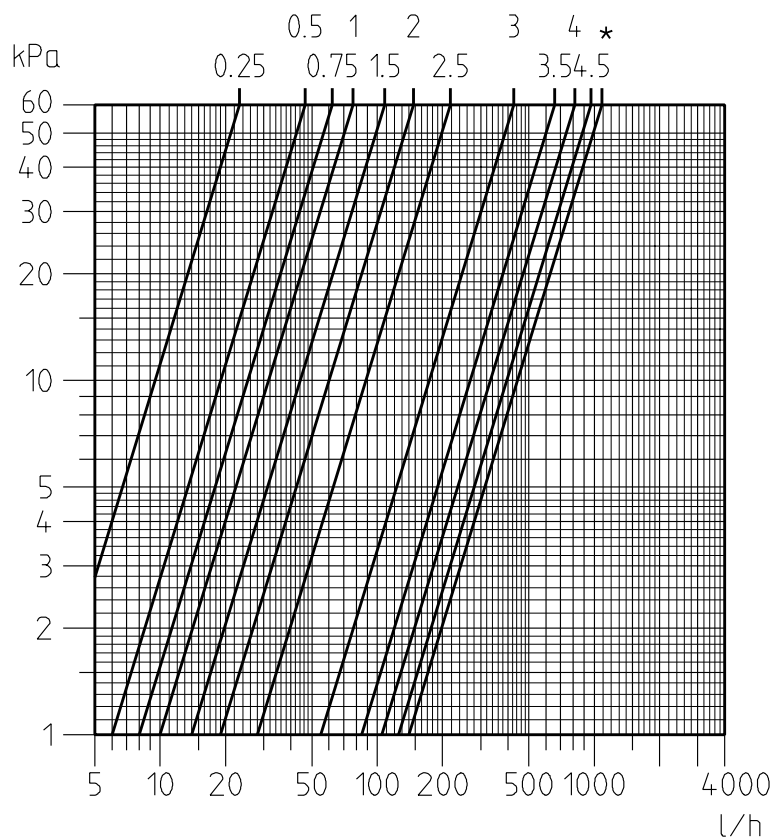
Diagram TRIM



Number of turns	Kv
0,5	0,08
1	0,13
1,5	0,18
2	0,21
2,5	0,35
3	0,6
3,5	0,72
4	0,85
*)	0,9

Delivery setting *) = Fully open

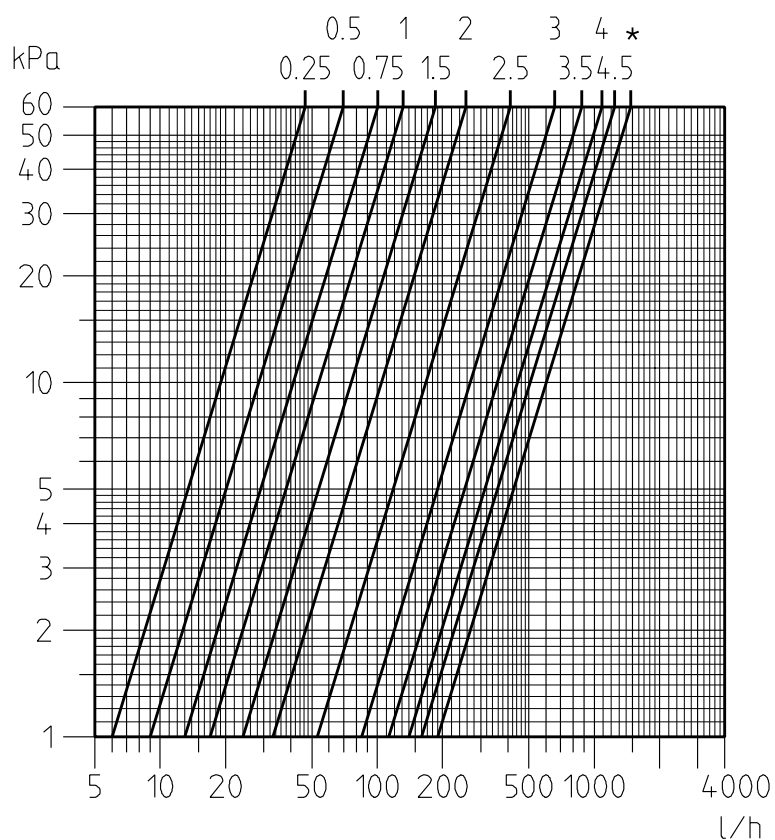
Diagram TRIM A DN 10



Number of turns	Kv
0.25	0.03
0.5	0.06
0.75	0.08
1	0.1
1.5	0.14
2	0.19
2.5	0.28
3	0.55
3.5	0.85
4	1.05
4.5	1.25
*)	1.4

Delivery setting *) = Fully open

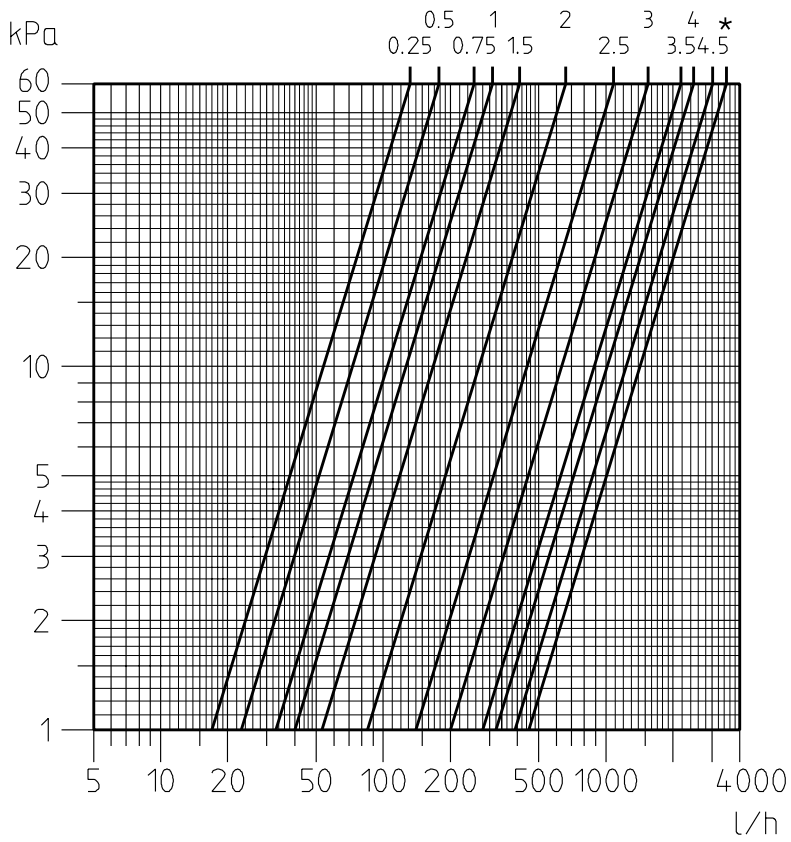
Diagram TRIM A DN 15



Number of turns	Kv
0.25	0.06
0.5	0.09
0.75	0.13
1	0.17
1.5	0.24
2	0.33
2.5	0.53
3	0.85
3.5	1.13
4	1.4
4.5	1.6
*)	1.9

Delivery setting *) = Fully open

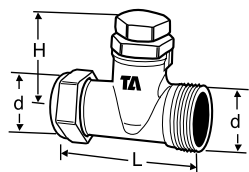
Diagram TRIM A DN 20



Number of turns	Kv
0.25	0.17
0.5	0.23
0.75	0.33
1	0.4
1.5	0.53
2	0.85
2.5	1.4
3	2.0
3.5	2.8
4	3.2
4.5	3.9
*)	4.5

Deliverey setting *) = Fully open

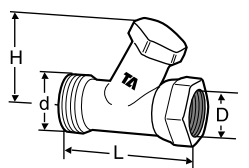
TRIM



Straight
incl swivelling nut

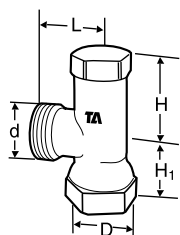
DN	d	L	H	Kvs	EAN	Article No
10	M22x1,5	52	40	0.9	7318792685705	50 696-122

TRIM A



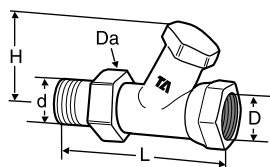
Straight
excl radiator union

DN	d	D	L	H	Kvs	EAN	Article No
10	M22x1,5	G3/8	50	33	1.4	7318792545900	50 001-610
15	M26x1,5	G1/2	58	36	1.9	7318792546006	50 001-615
20	M34x1,5	G3/4	73	45	4.5	7318792546105	50 001-620



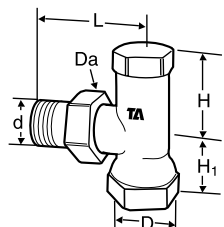
Angle
excl radiator union

DN	d	D	L	H	H1	Kvs	EAN	Article No
10	M22x1,5	G3/8	23	29	22	1.4	7318792547201	50 003-610
15	M26x1,5	G1/2	26	31	26	1.9	7318792547300	50 003-615
20	M34x1,5	G3/4	31	36	31	4.5	7318792547409	50 003-620



Straight
incl radiator union

DN	d	D	Da	L	H	Kvs	EAN	Article No
10	R3/8	G3/8	M22x1,5	75	33	1.4	7318792545108	50 001-110
15	R1/2	G1/2	M26x1,5	88	36	1.9	7318792545207	50 001-115
20	R3/4	G3/4	M34x1,5	107	45	4.5	7318792545405	50 001-120

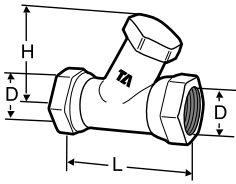


Angle
incl radiator union

DN	d	D	Da	L	H	H1	Kvs	EAN	Article No
10	R3/8	G3/8	M22x1,5	48	29	22	1.4	7318792546402	50 003-110
15	R1/2	G1/2	M26x1,5	56	31	26	1.9	7318792545501	50 003-115
20	R3/4	G3/4	M34x1,5	65	36	31	4.5	7318792546709	50 003-120

Kvs = m³/h at a pressure drop of 1 bar and fully open valve.

TRIM A can be connected to smooth pipes by means of the KOMBI compression coupling.
(See catalogue leaflet KOMBI).



Straight
female thread

DN	D	L	H	Kvs	EAN	Article No
10	G3/8	52	33	1.4	7318792549007	50 007-110
15	G1/2	63	36	1.9	7318792549106	50 007-115
20	G3/4	80	45	4.5	7318792549205	50 007-120

Kvs = m³/h at a pressure drop of 1 bar and fully open valve.

TRIM A can be connected to smooth pipes by means of the KOMBI compression coupling.
(See catalogue leaflet KOMBI).

