

FUNCTION

Lockshields are articles used to shut off and adjusting the flow rate of the heat transfer fluid to the radiators of air conditioning systems.

Lockshields of this series are complete with nuts and unions that allow connection to the radiator in a simple and safe way. The connections for the pipes instead are specific to the copper pipe, multilayer and Pe-X with threads from da G1/2", M24X1,5 and G3/4", and for iron pipe with threads from G3/8", G1/2", G3/4".



PRODUCTS

LOCKSHIELDS FOR COPPER PIPE, MULTILAYER AND Pe-X

		Connection	Radiator
82837AC06	Angle lockshield for copper pipe, multilayer and Pe-X	G 1/2" M	G 3/8" M
82837AD06	Angle lockshield for copper pipe, multilayer and Pe-X	G 1/2" M	G 1/2" M
82839AC06	Angle lockshield for copper pipe, multilayer and Pe-X	24X1,5	G 3/8" M
82839AD06	Angle lockshield for copper pipe, multilayer and Pe-X	24X1,5	G 1/2" M
82854AC06	Angle lockshield for copper pipe, multilayer and Pe-X	G 3/4" M	G 3/8" M
82854AD06	Angle lockshield for copper pipe, multilayer and Pe-X	G 3/4" M	G 1/2" M
82833AC06	Straight lockshield for copper pipe, multilayer and Pe-X	G 1/2" M	G 3/8" M
82833AD06	Straight lockshield for copper pipe, multilayer and Pe-X	G 1/2" M	G 1/2" M
82835AC06	Straight lockshield for copper pipe, multilayer and Pe-X	24X1,5	G 3/8" M
82835AD06	Straight lockshield for copper pipe, multilayer and Pe-X	24X1,5	G 1/2" M
82855AC06	Straight lockshield for copper pipe, multilayer and Pe-X	G 3/4" M	G 3/8" M
82855AD06	Straight lockshield for copper pipe, multilayer and Pe-X	G 3/4" M	G 1/2" M
82827AC06	Angle lockshield for copper pipe, multilayer and Pe-X	G 1/2" M	G 3/8" M
82827AD06	Angle lockshield for copper pipe, multilayer and Pe-X	G 1/2" M	G 1/2" M
82827AC06	Angle lockshield for copper pipe, multilayer and Pe-X	24X1,5	G 1/2" M
82830AD06	Angle lockshield for copper pipe, multilayer and Pe-X	G 3/4" M	G 1/2" M
82829AC06	Straight lockshield for copper pipe, multilayer and Pe-X	G 1/2" M	G 3/8" M
82829AC06	Straight lockshield for copper pipe, multilayer and Pe-X	24X1,5	G 1/2" M
82831AD06	Straight lockshield for copper pipe, multilayer and Pe-X	G 3/4" M	G 1/2" M

LOCKSHIELDS FOR IRON PIPE

		<i>Connection</i>	<i>Radiator</i>
82805AC06	Angle lockshield for iron pipe	G 3/8" F	G 3/8" M
82805AD06	Angle lockshield for iron pipe	G 1/2" F	G 1/2" M
82805AE06	Angle lockshield for iron pipe	G 3/4" F	G 3/4" M
82805AD06 940	Angle lockshield for iron pipe	G 1/2" F	G 1/2" M
82805AE06 940	Angle lockshield for iron pipe	G 3/4" F	G 3/4" M
82815AC06	Straight lockshield for iron pipe	G 3/8" F	G 3/8" M
82815AD06	Straight lockshield for iron pipe	G 1/2" F	G 1/2" M
82815AE06	Straight lockshield for iron pipe	G 3/4" F	G 3/4" M
82815AD06 940	Straight lockshield for iron pipe	G 1/2" F	G 1/2" M
82815AE06 940	Straight lockshield for iron pipe	G 3/4" F	G 3/4" M

TECHNICAL FEATURES

Technical data

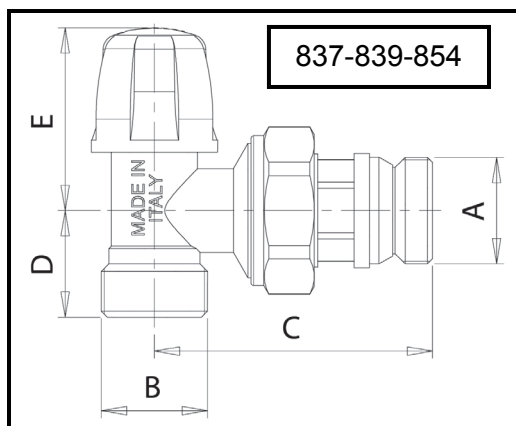
Fluids used:	Water and glycol solutions
Max glycol rate:	30%
Max working pressure:	10 Bar
Max differential pressure:	1 Bar
Heat transfer fluid temperature:	5÷120 °C

Materials

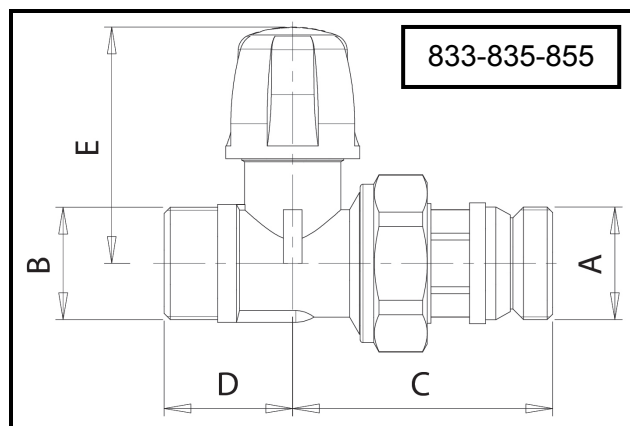
Body, nut and union:	Brass CW617N - UNI 12165 - Nickel
Control rod:	Brass CW617N - UNI 12164
Hydraulic seals:	EPDM Peroxide
Protection cover:	ABS white

CODE AND DIMENSIONS

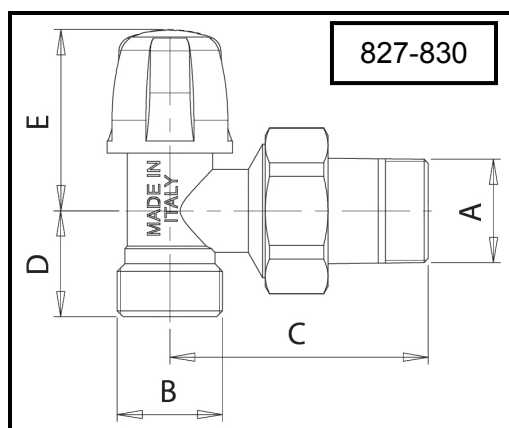
LOCKSHIELDS FOR COPPER PIPE, MULTILAYER AND Pe-X



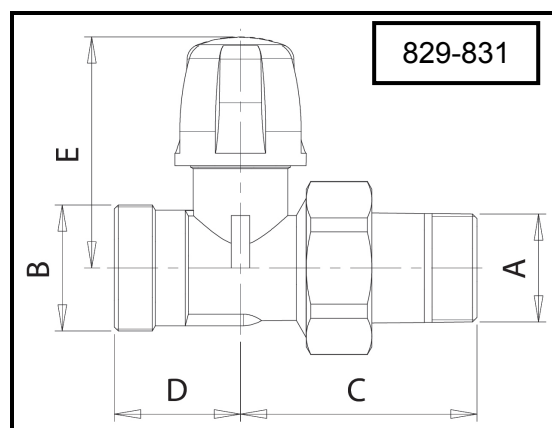
CODE	A	B	C	D	E
82837AC06	G3/8" M	G1/2" M	50	22	36
82837AD06	G1/2" M	G1/2" M	55	21	36
82839AC06	G3/8" M	24X1,5	51	22	36
82839AD06	G1/2" M	24X1,5	52,5	22	36
82854AC06	G3/8" M	G3/4" M	51	22	36
82854AD06	G1/2" M	G3/4" M	52,5	22	36



CODE	A	B	C	D	E
82833AC06	G3/8" M	G1/2" M	46,5	24	44
82833AD06	G1/2" M	G1/2" M	48,5	24	44
82835AC06	G3/8" M	24X1,5	47	24	44
82835AD06	G1/2" M	24X1,5	48,5	24	44
82855AC06	G3/8" M	G3/4" M	47	24	44
82855AD06	G1/2" M	G3/4" M	48,5	24	44

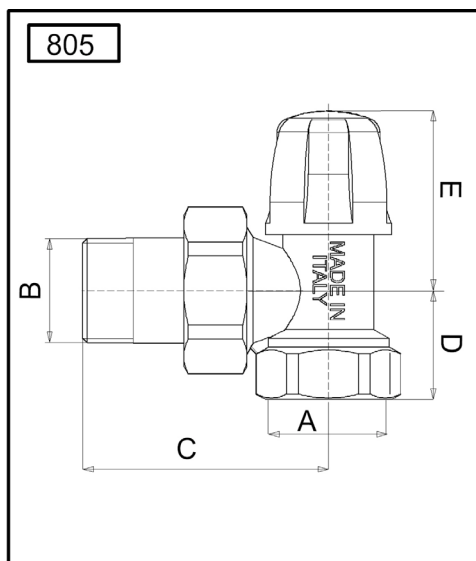


CODE	A	B	C	D	E
82827AC06	G3/8" M	G1/2" M	47	22	36
82827AD06	G1/2" M	G1/2" M	49	22	36
82827AD06	G1/2" M	24X1,5	51,5	21	36
82830AD06	G1/2" M	G3/4" M	49	22	36

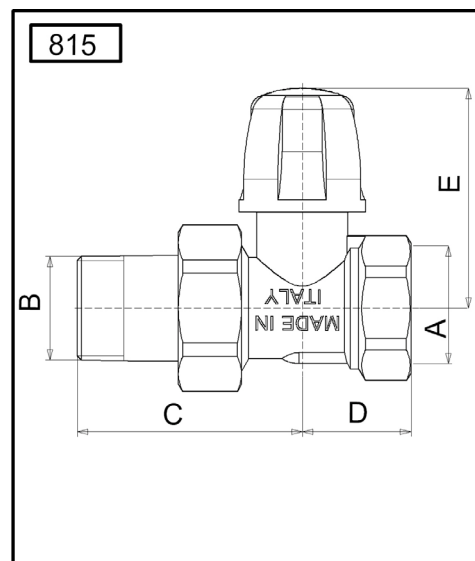


CODE	A	B	C	D	E
82829AC06	G3/8" M	G3/8" M	43,5	24	44
82829AD06	G1/2" M	24X1,5	45	24	44
82831AD06	G1/2" M	G3/4" M	45	24	44

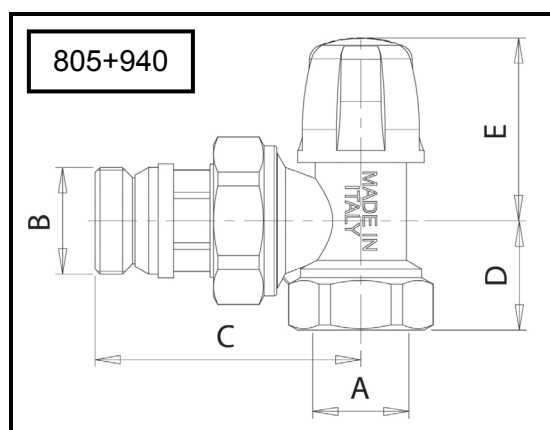
LOCKSHIELD FOR IRON PIPE



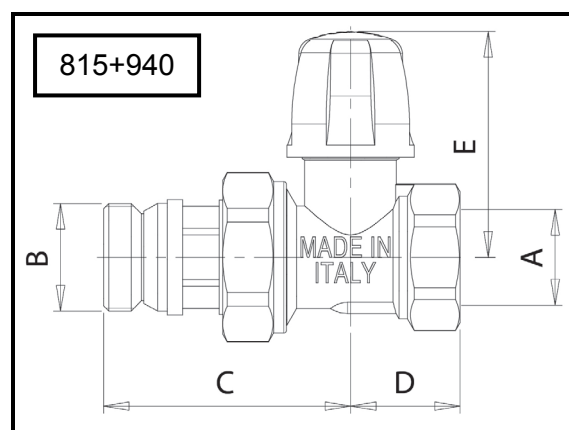
CODE	A	B	C	D	E
82805AC06	G3/8"F	G3/8"M	47	22	35
82805AD06	G1/2"F	G1/2"M	49	22	35
82805AE06	G3/4"F	G3/4"M	57	23	36



CODE	A	B	C	D	E
82815AC06	G3/8"F	G3/8"M	44	22	43
82815AD06	G1/2"F	G1/2"M	45	22	43
82815AE06	G3/4"F	G3/4"M	53	24	43



CODE	A	B	C	D	E
82805AD06 940	G1/2"F	G1/2"M	52	20,5	41,5
82805AE06 940	G3/4"F	G3/4"M	57	23	36

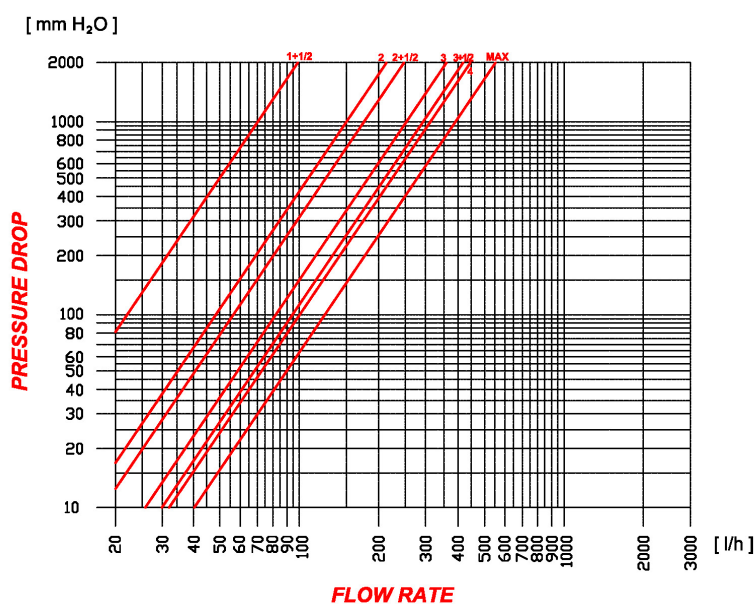


CODE	A	B	C	D	E
82815AD06 940	G1/2"F	G1/2"M	49	21,5	49,5
82815AE06 940	G3/4"F	G3/4"M	53	24	43

HYDRAULIC CHARACTERISTICS

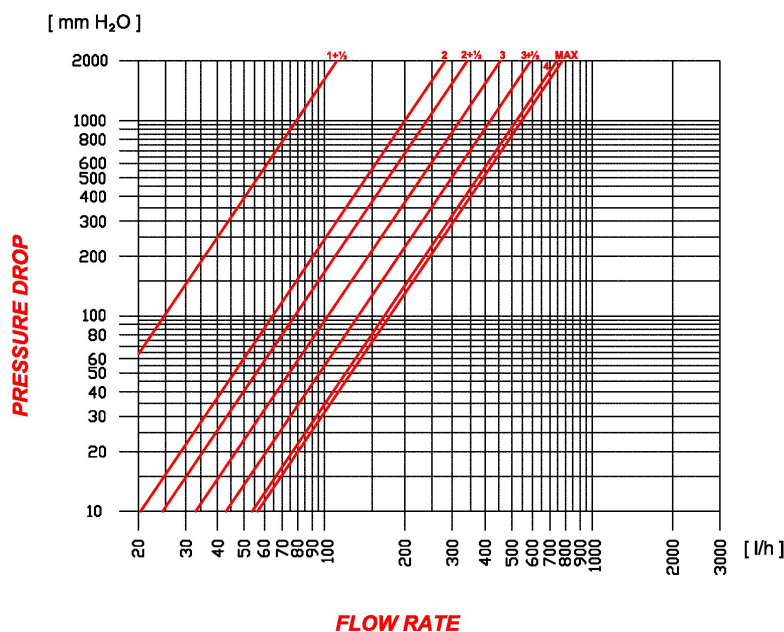
ANGLE LOCKSHIELDS

Angle lockshield - Art. 837-839-854-827-830-805-805+940 3/8"-1/2"
PRESSURE DROP DIAGRAM



ROUNDS NUMBER	Kv (m³/h)
1+1/2	0,23
2	0,48
2+1/2	0,55
3	0,81
3+1/2	0,91
4	1,01
MAX	1,21

Angle lockshield - Art. 805-805+940 3/4"
PRESSURE DROP DIAGRAM

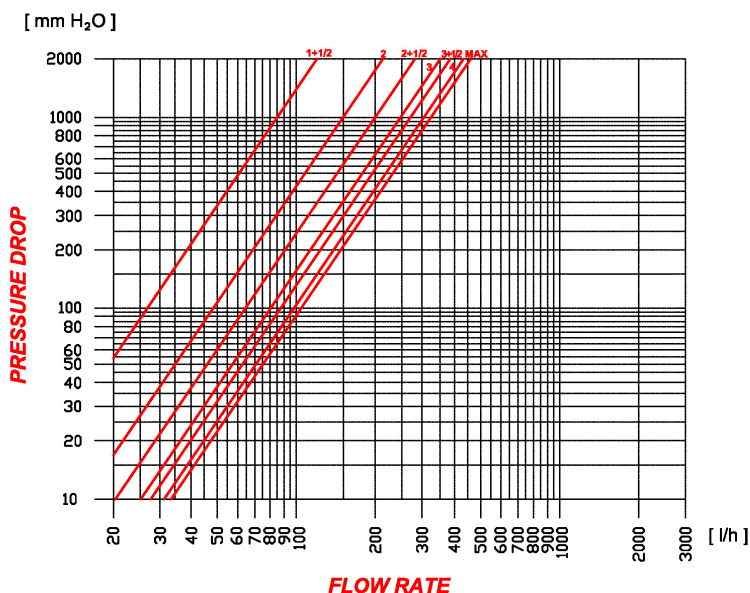


ROUNDS NUMBER	Kv (m³/h)
1+1/2	0,25
2	0,63
2+1/2	0,77
3	1,06
3+1/2	1,34
4	1,65
MAX	1,71

STRAIGHT LOCKSHIELDS

Straight lockshield - Art. 833-835-855-829-831-815-815+940 3/8"-1/2"

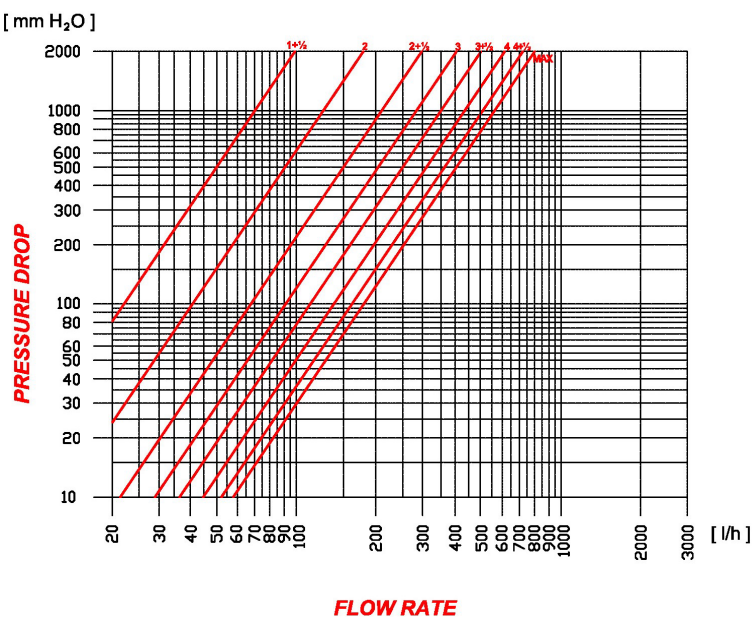
PRESSURE DROP DIAGRAM



ROUNDS NUMBER	Kv (m³/h)
1+1/2	0,27
2	0,47
2+1/2	0,63
3	0,77
3+1/2	0,86
4	0,98
MAX	1,05

Straight lockshield - Art. 815-815+940 3/4"

PRESSURE DROP DIAGRAM



ROUNDS NUMBER	Kv (m³/h)
1+1/2	0,23
2	0,44
2+1/2	0,70
3	0,87
3+1/2	1,21
4	1,37
4+1/2	1,61
MAX	1,78