# Chapter 10 Fittings

## RAFIT + Soft-seal fitting



Quick installation: cuts connection times for copper pipe Cutting ring withstands high pull-out forces on the pipe Compact dimensions



#### **Chapter 10**

### **Fittings**

#### **FITTINGS FOR COPPER**

#### 872M - RAFIT+

Soft-seal one-piece fitting for quick connection of copper pipes (UNI EN 1057) to male-threaded valves, lockshields and manifolds. EPDM taper ferrule with steel reinforcement core. High pull-out strength (cutting ring).



Part Number	DN	Ø Pipe	Qty/Box	<b>Box/Carton</b>	
872M1215	1/2"	15	25	300	

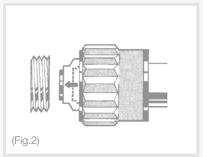
<sup>\* 1/2&</sup>quot;S M24x1.5 thread (for 102S and 119SX single-pipe valves with 1/2"S pipe-side connection)

Dimensions at the end of the section.

#### TECHNICAL NOTE - Installation of RAFIT one-piece quick fittings

- 1 When cutting the pipe, carefully deburr the ends if necessary.
- 2 Insert the pipe in the fitting by pushing it in until it butts up against the end stop (Fig.1) and holding it still in this position during tightening; the seal will thus be thrust outwards from the fitting body (Fig.2).
- 3 Approach the fitting to the threaded end-piece until the head of the taper ferrule engages inside it, then tighten by hand.
- 4 Fully tighten with the respective wrench (Art. 829M), in accordance with the recommended tightening torques (Fig.3).









#### 820R

Three-piece compression fitting for copper pipes (chrome-plated pipe lock nut, brass taper ferrule and reinforcement core) for connecting copper pipes to male-threaded valves, lockshields and manifolds. Metal seal.



Part Number	DN	Ø Pipe	Qty/Box	<b>Box/Carton</b>	
820R1210	1/2"	10	10	150	
820R1212	1/2"	12	10	150	
820R3418	3/4"	18	10	100	
820R3422	3/4"	22	10	100	

<sup>\* 1/2&</sup>quot;S M24x1.5 thread (for 102M and 119SX single-pipe valves with 1/2"S pipe-side connection)

Dimensions at the end of the section.

#### 829M

Steel wrench for tightening RAFIT+ and 820R fittings.

Part Number	DN	Qty/Box	<b>Box/Carton</b>	
829M2025	3/8" - 1/2"	1	1	

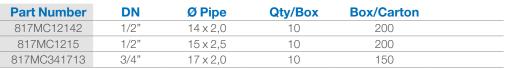


#### FITTINGS FOR CROSS-LINKED POLYETHYLENE AND MULTI-LAYER PIPES

#### 817M

Three-piece nickel-plated compression fitting for cross-linked polyethylene pipes to UNI 9338. EPDM O-Ring. Not suitable for oils.

Part Number	DN	Ø Pipe	Qty/Box	<b>Box/Carton</b>	
817MC12142	1/2"	14 x 2,0	10	200	
817MC1215	1/2"	15 x 2,5	10	200	
817MC341713	3/4"	17 x 2,0	10	150	



<sup>\* 1/2&</sup>quot;S M24x1.5 thread (for 102M and 119SX single-pipe valves with 1/2"S pipe-side connection)

Dimensions at the end of the section.

#### NIPPLES, ELBOWS, SOLDER ALLOY

#### 220

Three-piece nickel-plated elbow fitting.

Part Number	DN	Qty/Box	Box/Carton	
220SN12	1/2"	10	100	
220SN34	3/4"	10	65	
220SN1	1"	10	35	

Dimensions at the end of the section.





221

Three-piece nickel-plated straight fitting.

Part Number	DN	Qty/Box	<b>Box/Carton</b>	
221SN12	1/2"	10	100	
221SN34	3/4"	10	60	
221SN1	1"	10	35	



Dimensions at the end of the section

#### 892GL

Nipple fitting with male threaded connections.

Part Number	DN	Qty/Box	<b>Box/Carton</b>	
892GL12	1/2" MM	10	300	
892GL34	3/4" MM	10	100	





#### 890GL

Nipple fitting with male threaded connections.

Part Number	DN	Qty/Box	<b>Box/Carton</b>	
890GL12	1/2" MM	10	150	

Dimensions at the end of the section



#### 833M

Brass male/male adaptor.

Part Number	DN	Qty/Box	<b>Box/Carton</b>	
833M1234	1/2" - 3/4"	10	150	

Dimensions at the end of the section.



#### 821M

Brass male/female adaptor.

Part Number	DN	Qty/Box	<b>Box/Carton</b>	
821M12M38F	1/2" M x 3/8" F	10	300	
821M12M34F	1/2" M x 3/4" F	10	150	

Dimensions at the end of the section.



#### 834M

Brass female plugs.

Part Number	DN	Qty/Box	Box/Carton	
834M12	1/2"	10	400	
834M34	3/4"	10	50	
834M1	1"	10	50	

Dimensions at the end of the section.

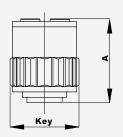




## 10

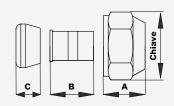
#### **OVERALL DIMENSIONS**





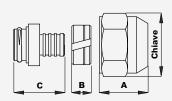
DN	Α	Rafit wrench
3/8"	25	20
1/2"	27	25
1/2"S	29	27

#### 820R



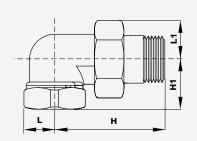
DN	Α	В	C	Wrench
3/8"	17	24	9	20
1/2"	19	24	10	25
1/2"S	20	24	11	25
3/4"	20	24	11	32

#### 817M - 817MS



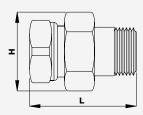
DN	Α	В	C	Wrench
1/2"	23	8	21	20
1/2"S	26	8	22	25
3/4"	24	8	22	32

#### 220



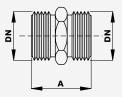
DN	H	H1	L	L1
3/8"MF	47	27	14	14
1/2"MF	53	34	16	18
3/4"MF	60	37	19	21
1"MF	77	46	23	27

#### 221



DN	Н	L
3/8"MF	28	43
1/2"MF	35	51
3/4"MF	42	58
1"MF	54	62

#### 892GL



DN	Α
3/8"	22
1/2"	25
3/4"	28



#### **OVERALL DIMENSIONS**

