

**\*Media:**

These spradow test couplings are designed for nitrogen and other inert gases.

**Application:**

Spradow nitrogen test couplings are applied for the monitoring and control pressure as well as the ventilation. The advantages of this system are – among other – connection at system pressure level, the easy connection to measurement control and switching devices, the leakproof connection and the integrated vibration security of the metal cap.

**Usage as filling valve:**

Initial pressure 3 bar; increase slowly up to the maximum filling pressure of 320 bar.

**Materials:**

Metal parts: Steel, Stainless steel upon request  
 Seals: material 1 (-20 °C to +100 °C) - standard  
           material 2 (-47 °C to +100 °C)  
 Hose: Polyamide (-35 °C to +100 °C)

**Surface:**

CrVI-free.

**Pressure:**

Maximum working pressure (PN) of the test couplings - 630 bar at 4-fold security. Connection under pressure up to 400 bar. For the union pieces please observe the instructions given by the corresponding producer.



**design types of caps**

type B (round)	type A (universal)	type A (universal) plastic
standard: incl. vibration security		(temperature range -20°C to +100°C)

**port connection and seals**

type 1	type 2	type 3	type 4	type 5	type 6
Design types of port connection and seals please see annex.					

Other dimensions on request. We reserve the right to change the technical performance. All dimensions in mm.

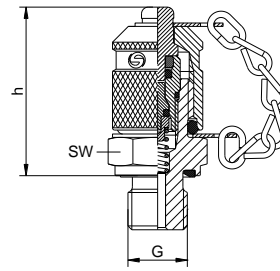


fig. 1

G	PN	SW	h	fig.	sealing	part number (NBR)
M8x1	250	17	38	1	o-ring type 1	1-G06-20-21-600-CF
M10x1	630	17	38	1	o-ring type 1	1-G06-22-21-600-CF
M10x1	400	17	39	1	soft sealing type 3	1-G06-22-11-600-CF
M10x1,25		17	38	1	o-ring type 1	1-G06-49-21-600-CF
M10x1,25		17	38	1	soft sealing type 3	1-G06-49-11-600-CF
M12x1,5	630	17	39	1	soft sealing type 3	1-G06-23-11-600-CF
M14x1,5	630	19	37	1	soft sealing type 3	1-G06-24-11-600-CF
M14x1,5	630	19	38	1	o-ring type 5	1-G06-24-61-600-CF
M16x1,5	630	22	37	1	soft sealing type 3	1-G06-25-11-600-CF
M18x1,5		24	39	1	soft sealing type 3	1-G06-26-11-600-CF
M20x1,5		27	39	1	soft sealing type 3	1-G06-51-11-600-CF
M22x1,5		27	39	1	soft sealing type 3	1-G06-27-11-600-CF
G 1/8	400	17	39	1	soft sealing type 3	1-G06-28-11-600-CF
G 1/4	630	19	37	1	soft sealing type 3	1-G06-29-11-600-CF
G 3/8	630	22	37	1	soft sealing type 3	1-G06-30-11-600-CF
G 1/2	630	27	39	1	soft sealing type 3	1-G06-31-11-600-CF
5/16-24 UNF	400	17	38	1	o-ring type 5	1-G06-38-30-600-CF
7/16-20 UNF	630	17	38	1	o-ring type 5	1-G06-39-30-600-CF
1/2-20 UNF	630	17	38	1	o-ring type 5	1-G06-61-30-600-CF
9/16-18 UNF	630	19	38	1	o-ring type 5	1-G06-40-30-600-CF
3/4-16 UNF	630	27	40	1	o-ring type 5	1-G06-41-30-600-CF

For metal cap type A (universal) with vibration security replace 600 by

590

For metal cap type B (round) **without vibration security** replace 600 by

020

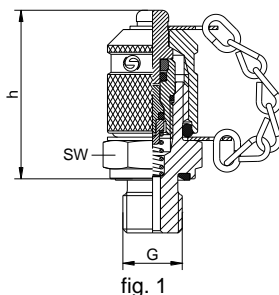
For metal cap type A (universal) **without vibration security** replace 600 by

010

For yellow plastic cap type A (universal) **without vibration security** replace 600 by

100

test coupling  
series M16x2 – GAS for arctic temperature



G	PN	SW	h	fig.	sealing	part number
<i>for arctic temperature use (sealings material 2; metal parts stainless steel 1.4305)</i>						
M8x1	250	17	38	1	o-ring type 1	upon request
M10x1	630	17	38	1	o-ring type 1	upon request
M10x1	400	17	39	1	soft sealing type 3	upon request
M10x1,25		17	38	1	o-ring type 1	upon request
M10x1,25		17	38	1	soft sealing type 3	upon request
M12x1,5	630	17	39	1	soft sealing type 3	upon request
M14x1,5	630	19	37	1	soft sealing type 3	upon request
M14x1,5	630	19	38	1	o-ring type 5	upon request
M16x1,5	630	22	37	1	soft sealing type 3	upon request
M18x1,5		24	39	1	soft sealing type 3	upon request
M20x1,5		27	39	1	soft sealing type 3	upon request
M22x1,5		27	39	1	soft sealing type 3	upon request
G 1/8	400	17	39	1	soft sealing type 3	upon request
G 1/4	630	19	37	1	soft sealing type 3	1-T12-29-23-660-05 <sup>1</sup>
G 3/8	630	22	37	1	soft sealing type 3	upon request
G 1/2	630	27	39	1	soft sealing type 3	upon request
5/16-24 UNF	400	17	38	1	o-ring type 5	upon request
7/16-20 UNF	630	17	38	1	o-ring type 5	upon request
1/2-20 UNF	630	17	38	1	o-ring type 5	upon request
9/16-18 UNF	630	19	38	1	o-ring type 5	upon request
3/4-16 UNF	630	27	40	1	o-ring type 5	upon request

<sup>1</sup>Sealing element is an o-ring

For metal cap type A (universal) with vibration security replace 600 by	650
For metal cap type B (round) <b>without vibration security</b> replace 600 by	080
For metal cap type A (universal) <b>without vibration security</b> replace 600 by	070
For yellow plastic cap type A (universal) <b>without vibration security</b> replace 600 by	100

**fitting with test coupling  
series M16x2 - GAS**

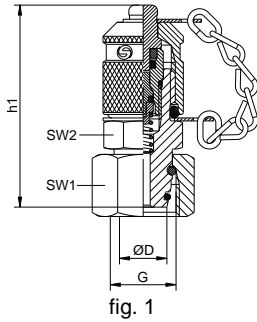


fig. 1

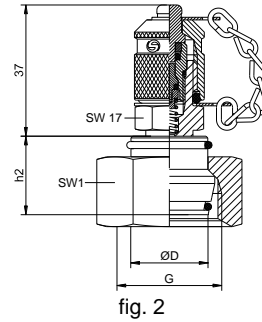


fig. 2

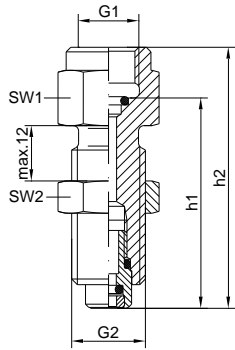
**type DKO**

test coupling with 24° taper adapter (DIN3865 / ISO8434-1)

type	PN	tube ØD	h1	h2	SW1	SW2	G	type DKO part number	fig.
L	315	6	53	-	14	17	M12x1,5	upon request	1
		8	53	-	17	17	M14x1,5	upon request	1
		10	50	-	19	17	M16x1,5	upon request	1
		12	50	-	22	17	M18x1,5	upon request	1
		15	51	-	27	19	M22x1,5	upon request	1
	160	18	-	22	32	-	M26x1,5	upon request	2
		22	-	22	36	-	M30x2	upon request	2
		28	-	24	41	-	M36x2	upon request	2
		35	-	27	50	-	M45x2	upon request	2
		42	-	28	60	-	M52x2	upon request	2
S	630	6	54	-	17	17	M14x1,5	upon request	1
		8	51	-	19	17	M16x1,5	upon request	1
		10	51	-	22	17	M18x1,5	upon request	1
		12	51	-	24	17	M20x1,5	upon request	1
		14	53	-	27	19	M22x1,5	upon request	1
	400	16	-	20	30	-	M24x1,5	upon request	2
		20	-	25	36	-	M30x2	upon request	2
		25	-	27	46	-	M36x2	upon request	2
		30	-	29	50	-	M42x2	upon request	2
		315	38	-	32	60	-	M52x2	upon request
For metal cap type A (universal) with vibration security								upon request	
For metal cap type B (round) <b>without vibration security</b>								upon request	
For metal cap type A (universal) <b>without vibration security</b>								upon request	
For yellow plastic cap type A (universal) <b>without vibration security</b>								upon request	

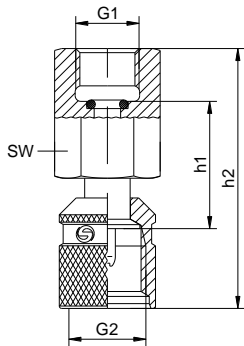
Other dimensions on request. We reserve the right to change the technical performance. All dimensions in mm.

## bulkhead pressure gauge connector series M16x2 – GAS – without valve function



G1	SW1	SW2	h1	h2	G2	sealing	part number
G 1/4	19	19	46	57	M16x2	o-ring	1-918-29-01-240-CF
G 1/2	27	24	49	66	M16x2	o-ring	1-918-31-01-240-CF

## direct pressure gauge connector Series M16x2 - GAS – without valve function

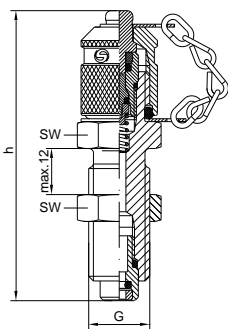


G1	SW	h1	h2	G2	sealing	part number
G 1/4	19	27	54	M16x2	o-ring	1-927-29-01-020-CF
G 1/2	27	25	58	M16x2	o-ring	1-927-31-01-020-CF

For metal cap type A (universal) replace 020 by

010

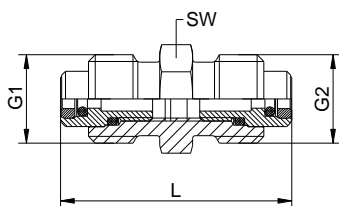
## bulkhead coupling series M16x2 - GAS



G	SW	h	part number
M16x2	19	72	upon request

For metal cap type A (universal) with vibration security	upon request
For metal cap type B (round) <b>without vibration security</b>	upon request
For metal cap type A (universal) <b>without vibration security</b>	upon request
For yellow plastic cap type A (universal) <b>without vibration security</b>	upon request

## hose connector series M16x2 – GAS – without valve function



G1	SW	L	G2	arctic temperature	
				part number	part number
M16x2	17	42	M16x2	1-T80-48-00-020-CF	1-980-48-00-020-CF
M16x2	17	42	M16x1,5	1-T80-48-00-030	1-980-48-00-030

Other dimensions on request. We reserve the right to change the technical performance. All dimensions in mm.