

## Solutions for Fluid Technology



**MCS**<sup>®</sup>  
Mini Control System

**COMPONENTI OLEODINAMICI**  
**HYDRAULIC COMPONENTS**

MCS – abbreviazione di "mini control system" definisce una gamma completa di raccordi miniaturizzati per oleodinamica, miniprese di pressione e relativi accessori. MCS offre un sistema semplice ed economico per il controllo delle pressioni nei sistemi idraulici, grazie al quale è possibile eliminare l'impiego di manometri fissi ed esclusori montati permanentemente sul sistema, riducendo così sia i costi iniziali che quelli per la sostituzione dei manometri danneggiati da anomalie del sistema o da agenti esterni.

E' possibile installare le miniprese MCS in qualsiasi punto del sistema idraulico in cui occorre monitorare la pressione e, in caso di postazioni lontane o difficili da raggiungere, una minipresa MCS passaparete e un miniflessibile MCS consentono di portare la pressione ad un pannello centrale facilitandone il controllo. Il miniflessibile è così piccolo e flessibile da poter essere installato come un normale cavo elettrico.

Un altro vantaggio di MCS è quello di poter controllare la pressione mentre il sistema idraulico è a pieno regime; i raccordi e il miniflessibile tollerano una pressione massima di lavoro di 630bar. Grazie al loro design, è possibile unire la minipresa al miniflessibile avvitandoli insieme semplicemente con due dita, senza dover utilizzare strumenti particolari e senza rischio di trafilamenti mentre il sistema idraulico è in funzione; la connessione fa tenuta automaticamente e non si allenta in seguito a vibrazioni o picchi di pressione.

MCS offre inoltre svariati tipi di terminali in grado di adattarsi alle miniprese di altri costruttori; possono servire anche per ottenere dei campioni di fluido da diversi punti del sistema idraulico oppure per spurgare il sistema oleodinamico dall'aria.

Il "mini control system" è talmente versatile da essere utilizzato al posto dei tubi rigidi per collegamento manometri, pressostati, trasduttori di pressione, linee di pilotaggio ecc. Attutisce i picchi di pressione e grazie all'effetto capillare del miniflessibile impedisce che le vibrazioni raggiungano gli strumenti.

**MCS**<sup>®</sup>  
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## COMPANY

MCS – short for mini control system – defines a complete range of miniature fittings, check couplings and accessories. MCS offers a simple, inexpensive means to check pressure in hydraulic systems. Permanently mounted pressure gauges and shut-off valves are no more necessary, thereby reducing initial costs. Replacement costs due to gauges broken by system problems or external damages are also eliminated.

MCS check couplings can be installed at any point of the hydraulic system, where pressure is to be monitored. For remote or hard-to-reach locations, an MCS bulkhead coupling and an MCS micro-bore hose bring pressure to a central panel thus simplifying its control. The micro-bore hose is so small and flexible that it can be installed like an electrical wiring.

Pressure can be checked while hydraulic systems are at full pressure. Micro test fittings and micro-bore hoses can bear a max. working pressure of 630 bar. Thanks to their design, both the connector and the micro hose coupling can be joined under pressure by screwing the coupling with two fingers without any tools and any leakage; the connection is self-sealing and will not loosen under vibration or pressure peaks.

MCS offers optional hose ends to adapt to many other test couplings from other suppliers. Besides, they can be used for obtaining fluid samples from various points in hydraulic systems or as an air bleed device.

The "Mini Control System" is versatile enough to be used instead of rigid pipes for pressure gauges, pressure switches, pressure transducers, pilot lines, etc. It dampens pressure peaks and prevents vibration from reaching the instruments, thanks to the micro hose's capillary effect.



ISO 9001:2008 Cert. n° 445



## MINIPRESE DI PRESSIONE – SERIE 620

### DATI TECNICI

Norma di riferimento	ISO 15171-2 08/2000
Pressione di lavoro	630 bar max.
Pressione di scoppio	>2520 bar

### APPLICAZIONI

Controllo pressione in circuiti idraulici  
Lubrificazione  
Spurgo aria  
Prelievo campioni olio  
Microidraulica

### FLUIDI

Olii idraulici e olii a base minerale  
Compatibilità con altri fluidi a richiesta

### MATERIALE

Corpo minipresa e cappuccio in Acciaio Trafil. 9SMnPb28K  
Guarnizione anti vibrazione in BUNA N. (opzionale)  
Acciaio inox AISI 316 - DIN 14436: su richiesta

### TEMPERATURA DI IMPIEGO: CON CAPPuccio DI METALLO

con guarnizione in BUNA N.	-30°C a +120°C
con guarnizione in VITON	-20°C a +200°C

### CON CAPPuccio IN PLASTICA

-30°C a +100°C

### TRATTAMENTO DI FINITURA

Zinco – Nichel

## TEST POINTS – SERIES 620

### TECHNICAL DATA

Reference norm	ISO 15171-2 08/2000
Working pressure	630 bar max.
Burst pressure	>2520 bar

### APPLICATIONS

Pressure check in hydraulic systems  
Lubrication  
Air bleeding  
Oil samples drawing  
Microhydraulics

### FLUIDS

Hydraulic oils and mineral-based oils  
Compatibility with other fluids: on request

### MATERIALS

Test point's body and cap made of steel 9SMnPb28K  
Anti-vibration sealing made of BUNA N. (optional)  
Stainless steel AISI 316 - DIN 14436: on request

### WORKING TEMPERATURE: WITH STEEL CAP

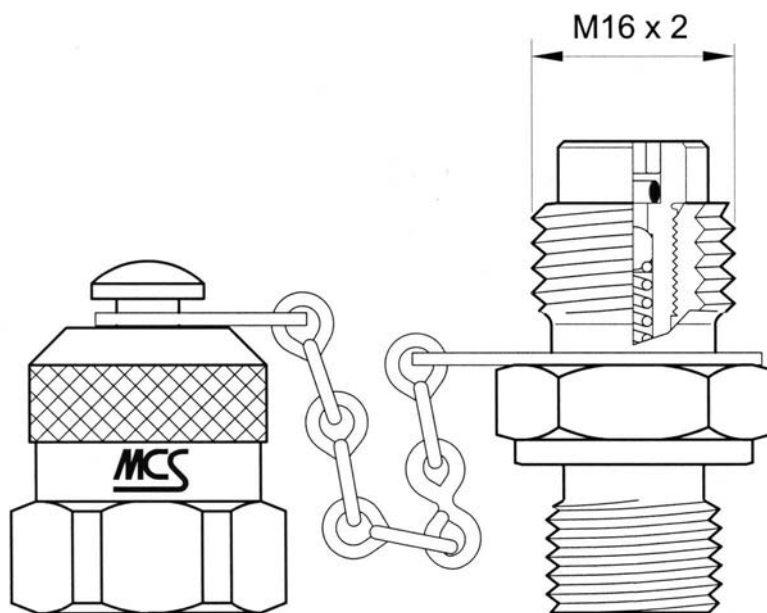
with sealing in BUNA N.	-30°C up to +120°C
with sealing in VITON	-20°C up to +200°C

### WITH PLASTIC CAP

-30°C up to +100°C

### FINISH TREATMENT

Zinc – Nickel

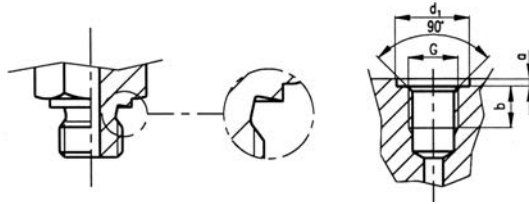


## TIPI DI TENUTA SECONDO DIN - ISO - ANSI - BS - JIS

## SEALING TYPES ACCORDING TO DIN - ISO - ANSI - BS - JIS

### FORM A

Tenuta con  
guarnizione metallica  
Sealing by metal ring



### FORM X

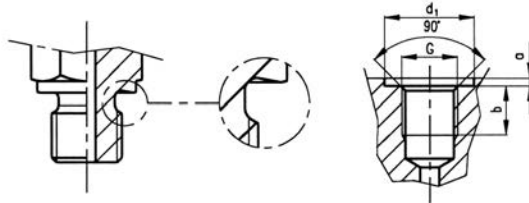
DIN 3852-1/2

G	a	b	d <sub>1</sub>	Nm
M10x1	1	8	20	-
ISO 228 G1/4"	1,5	12	25	-

COPPIA  
TORQUE

### FORM B

Tenuta meccanica  
Mechanical sealing



**FORM X** DIN 3852-2 ISO 1179-1  
ISO 9974-1

G	a	b	d <sub>1</sub>	Nm
M12x1,5	1,5	12	18	40
ISO 228 G1/8"	1	8	15	25
ISO 228 G1/4"	1,5	12	20	60

### FORM C

Tenuta sul filetto  
Sealing by thread



### FORM Z

DIN 3852-1/2

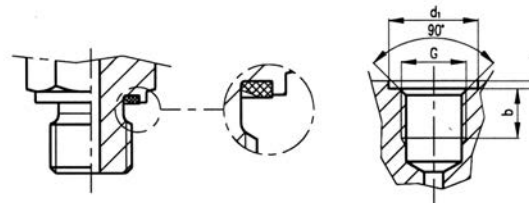
G	b	t
ISO 7/1 - R1/8"	5,5	8,5
ISO 7/1 - R1/4"	8,5	12,5
ISO 7/1 - R3/8"	8,5	12,5

ANSI/ASME B 1.20.1

G	b	t
1/8" - 27 NPTF	-	11,6
1/4" - 18 NPTF	-	16,4
3/8" - 18 NPTF	-	17,4

### FORM E

Tenuta con guarnizione piana  
Sealing by fitted ring



**FORM X** DIN 3852-2 ISO 1179-1  
ISO 9974-1

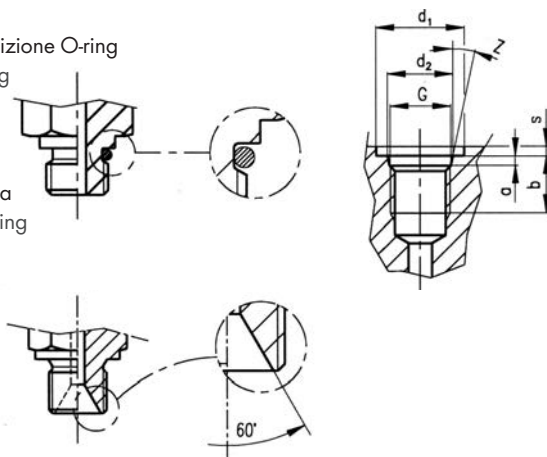
G	a	b	d <sub>1</sub>	Nm
M10x1	1	8	15	20
M12x1,5	1,5	12	18	40
M14x1,5	1,5	12	20	55
M16x1,5	1,5	12	23	70
ISO 228 G1/8"	1	8	15	20
ISO 228 G1/4"	1,5	12	20	55
ISO 228 G3/8"	2	12	23	80

### FORM F

Tenuta con guarnizione O-ring  
Sealing by O-ring

### BS 5200

Tenuta meccanica  
Mechanical sealing



ISO 6149-1

G	a	b	d <sub>1</sub>	d <sub>2</sub>	s	z	Nm
M8x1	1,6	10	14	9,1	1	12°	10
M10x1	1,6	10	16	11,1	1	12°	20
M14x1,5	2,4	11,5	21	15,8	1,5	15°	45

ISO 11926-1

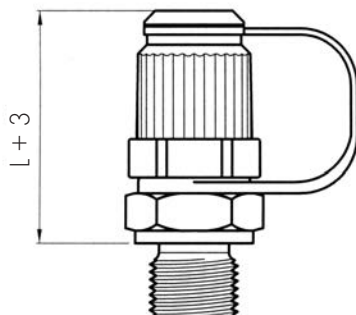
7/16"-20 UNF	2,4	11,5	21	12,4	1,6	12°	20
1/2"-20 UNF	2,4	11,5	23	14	1,6	12°	25
9/16"-18 UNF	2,5	12,7	25	15,7	1,6	12°	35
3/4"-16 UNF	2,5	14,3	30	20,6	2,4	15°	70

JIS 2351

G 1/4"	2,5	12	/	15,6	/	15°	45
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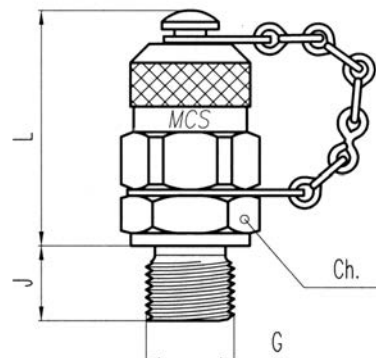
## MINIPRESA DI PRESSIONE AVVITABILE – SERIE 620.01

Minipresa con cappuccio di plastica  
Check-coupling with plastic cap



## THREADED CHECK-COUPLING – SERIES 620.01

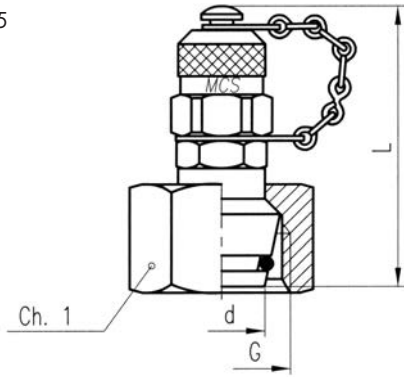
Minipresa con cappuccio di metallo  
Check-coupling with metal cap



Filettatura Thread G	Tipo di tenuta Sealing type	p max.	Quote mm Dimensions mm			Con cappuccio di plastica With plastic cap	Con cappuccio di metallo With metal cap
			L	Ch.	J±0,2		
M10 x 1	FORM A	400 bar	35	17	8	620.01.010.50	620.01.010.51
ISO228 G 1/4"	FORM A	400 bar	35	19	12	620.01.204.50	620.01.204.51
M12 x 1.5	FORM B	400 bar	35	17	12	620.01.012.10	620.01.012.11
ISO228 G 1/8"	FORM B	400 bar	35	17	8	620.01.202.10	620.01.202.11
ISO228 G 1/4"	FORM B	400 bar	35	19	12	620.01.204.10	620.01.204.11
ISO 7/1 R 1/8"	FORM C	400 bar	33	17	8	620.01.202.30	620.01.202.31
ISO 7/1 R 1/4"	FORM C	630 bar	33	17	12	620.01.204.30	620.01.204.31
ISO 7/1 R 3/8"	FORM C	630 bar	33	22	12	620.01.206.30	620.01.206.31
1/8"-27 NPTF	FORM C	400 bar	33	17	9.5	620.01.302.30	620.01.302.31
1/4"-18 NPTF	FORM C	630 bar	33	17	14	620.01.304.30	620.01.304.31
3/8"-18 NPTF	FORM C	630 bar	33	22	14.2	620.01.306.30	620.01.306.31
M10 x 1	FORM E	400 bar	35	17	8	620.01.010.20	620.01.010.21
M12 x 1.5	FORM E	630 bar	35	17	12	620.01.012.20	620.01.012.21
M14 x 1.5	FORM E	630 bar	35	19	12	620.01.014.20	620.01.014.21
M16 x 1.5	FORM E	630 bar	35	22	12	620.01.016.20	620.01.016.21
ISO228 G 1/8"	FORM E	400 bar	35	17	8	620.01.202.20	620.01.202.21
ISO228 G 1/4"	FORM E	630 bar	35	19	12	620.01.204.20	620.01.204.21
ISO228 G 3/8"	FORM E	630 bar	35	22	12	620.01.206.20	620.01.206.21
M8 x 1	FORM F	250 bar	35	17	8.5	620.01.008.00	620.01.008.01
M10 x 1	FORM F	630 bar	35	17	9.5	620.01.010.00	620.01.010.01
M14 x 1.5	FORM F	630 bar	35	19	12	620.01.014.00	620.01.014.01
7/16"-20 UNF	FORM F	630 bar	35	17	11	620.01.404.00	620.01.404.01
1/2"-20 UNF	FORM F	630 bar	35	17	11	620.01.405.00	620.01.405.01
9/16"-18 UNF	FORM F	630 bar	35	19	12	620.01.406.00	620.01.406.01
3/4"-16 UNF	FORM F	630 bar	35	22	14	620.01.408.00	620.01.408.01
JIS 2351 G 1/4"	FORM F	630 bar	35	19	12	620.01.204.00	620.01.204.01
ISO228 G 1/4"	BS 5200	630 bar	35	19	12	620.01.204.80	620.01.204.81

## MINIPRESA DI PRESSIONE CON CODOLO 24° – SERIE 620.02

Secondo DIN 3865



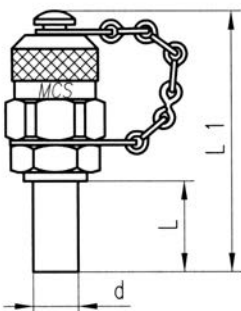
## CHECK-COUPLING WITH 24° SEALING CONE – SERIES 620.02

According to DIN 3865

Serie Series d mm	Filettatura Thread G	p max.	Quote mm Dimensions mm		Con cappuccio di plastica With plastic cap	Con cappuccio di metallo With metal cap
			L	Ch.1		
L 6	M 12 x 1,5	315 bar	52,5	17	620.02.006.60	620.02.006.61
L 8	M 14 x 1,5	315 bar	52,5	17	620.02.008.60	620.02.008.61
L 10	M 16 x 1,5	315 bar	55,5	19	620.02.010.60	620.02.010.61
L 12	M 18 x 1,5	315 bar	55,5	22	620.02.012.60	620.02.012.61
L 15	M 22 x 1,5	315 bar	60	27	620.02.015.60	620.02.015.61
L 18	M 26 x 1,5	315 bar	61	32	620.02.018.60	620.02.018.61
L 22	M 30 x 2	160 bar	59,5	36	620.02.022.60	620.02.022.61
L 28	M 36 x 2	160 bar	66	41	620.02.028.60	620.02.028.61
L 35	M 45 x 2	160 bar	71,5	50	620.02.035.60	620.02.035.61
L 42	M 52 x 2	160 bar	74,5	60	620.02.042.60	620.02.042.61
S 6	M 14 x 1,5	630 bar	52,5	17	620.02.106.60	620.02.106.61
S 8	M 16 x 1,5	630 bar	54,5	19	620.02.108.60	620.02.108.61
S 10	M 18 x 1,5	630 bar	55,5	22	620.02.110.60	620.02.110.61
S 12	M 20 x 1,5	630 bar	55,5	24	620.02.112.60	620.02.112.61
S 14	M 22 x 1,5	630 bar	58,5	27	620.02.114.60	620.02.114.61
S 16	M 24 x 1,5	400 bar	61,5	30	620.02.116.60	620.02.116.61
S 20	M 30 x 2	400 bar	60,5	36	620.02.120.60	620.02.120.61
S 25	M 36 x 2	400 bar	65,5	46	620.02.125.60	620.02.125.61
S 30	M 42 x 2	400 bar	67,5	50	620.02.130.60	620.02.130.61
S 38	M 52 x 2	315 bar	69,5	60	620.02.138.60	620.02.138.61

## MINIPRESA DI PRESSIONE CON CODOLO LISCIO – SERIE 620.03

## CHECK-COUPLING WITH STAND PIPE – SERIES 620.03

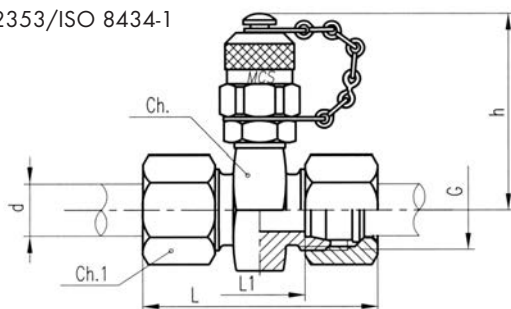


Serie Series d mm	p max.	Quote mm Dimensions mm		Con cappuccio di plastica With plastic cap	Con cappuccio di metallo With metal cap
		L	L1		
6	630 bar	20	57	620.03.006.50	620.03.006.51
8	630 bar	20	57	620.03.008.50	620.03.008.51
10	630 bar	20	57	620.03.010.50	620.03.010.51
12	630 bar	26	60	620.03.012.50	620.03.012.51

## MINIPRESA DI PRESSIONE CON GIUNZIONE DIRITTA – SERIE 620.04

## CHECK-COUPLING WITH STRAIGHT TUBE CONNECTION – SERIES 620.04

Secondo DIN 2353/ISO 8434-1

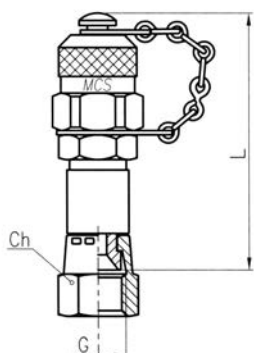


According to DIN 2353/ISO 8434-1

Serie Series d mm	Filettatura Thread G	p max.	Quote mm Dimensions mm					Con cappuccio di plastica With plastic cap	Con cappuccio di metallo With metal cap
			L	L1	Ch.	Ch.1	h		
L 6	M 12 x 1,5	315 bar	54	20	19	14	45,5	620.04.006.50	620.04.006.51
L 8	M 14 x 1,5	315 bar	54	20	24	17	49	620.04.008.50	620.04.008.51
L 10	M 16 x 1,5	315 bar	59	22	22	19	48	620.04.010.50	620.04.010.51
L 12	M 18 x 1,5	315 bar	59	22	24	22	49	620.04.012.50	620.04.012.51
L 15	M 22 x 1,5	315 bar	64	25	27	27	50,5	620.04.015.50	620.04.015.51
L 18	M 26 x 1,5	315 bar	64	25	30	32	62	620.04.018.50	620.04.018.51
L 22	M 30 x 2	160 bar	71	25	32	36	53	620.04.022.50	620.04.022.51
L 28	M 36 x 2	160 bar	69	26	41	41	57,5	620.04.028.50	620.04.028.51
L 35	M 45 x 2	160 bar	80	25	50	50	60	620.04.035.50	620.04.035.51
L 42	M 52 x 2	160 bar	80	27	60	60	64,5	620.04.042.50	620.04.042.51
S 6	M 14 x 1,5	630 bar	58	24	19	17	46,5	620.04.106.50	620.04.106.51
S 8	M 16 x 1,5	630 bar	59	24	22	19	48	620.04.108.50	620.04.108.51
S 10	M 18 x 1,5	630 bar	63	24	22	22	48	620.04.110.50	620.04.110.51
S 12	M 20 x 1,5	630 bar	63	24	22	24	48	620.04.112.50	620.04.112.51
S 14	M 22 x 1,5	630 bar	71	24	24	27	49	620.04.114.50	620.04.114.51
S 16	M 24 x 1,5	400 bar	71	25,5	27	30	50,5	620.04.116.50	620.04.116.51
S 20	M 30 x 2	400 bar	78	25,5	36	36	55	620.04.120.50	620.04.120.51
S 25	M 36 x 2	400 bar	82	25,5	41	46	57,5	620.04.125.50	620.04.125.51
S 30	M 42 x 2	400 bar	91	27	46	50	60	620.04.130.50	620.04.130.51
S 38	M 52 x 2	315 bar	100	29	55	60	64,5	620.04.138.50	620.04.138.51

## MINIPRESA DI PRESSIONE FEMMINA GIREVOLE SEDE JIC 37° – SERIE 620.05

Secondo ISO 8434-2/SAE J514



## CHECK-COUPLING FEMALE SWIVEL JIC 37° – SERIES 620.05

According to ISO 8434-2/SAE J514

Filettatura Thread G	p max.	Quote mm Dimensions mm		Con cappuccio di plastica With plastic cap	Con cappuccio di metallo With metal cap
		L	L1		
7/16"-20 UNF	450 bar	60	14	620.05.404.00	620.05.404.01
1/2"-20 UNF	420 bar	61	17	620.05.405.00	620.05.405.01
9/16"-18 UNF	350 bar	61	19	620.05.406.00	620.05.406.01
3/4"-16 UNF	350 bar	54	22	620.05.408.00	620.05.408.01

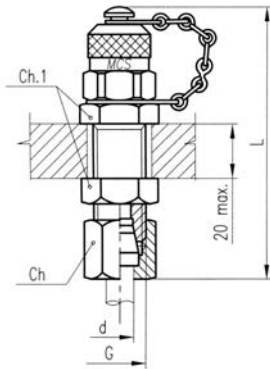


## MINIPRESA DI PRESSIONE PASSAPARETE – SERIE 620.06

## BULKHEAD CONNECTION WITH CHECK-COUPLING – SERIES 620.06

Secondo DIN 3861/ISO 8434-1

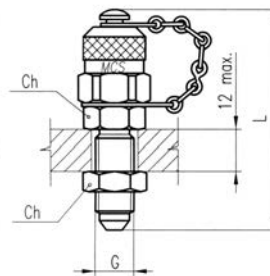
According to DIN 3861/ISO 8434-1



Serie Series d mm	Filettatura Thread G	p max.	Quote mm Dimensions mm			Con cappuccio di plastica With plastic cap	Con cappuccio di metallo With metal cap
			Ch.	Ch.1	L		
8	M 16 x 1,5	630 bar	19	22	82	620.06.108.50	620.06.108.51
10	M 18 x 1,5	630 bar	22	24	84	620.06.110.50	620.06.110.51

Secondo SAE J514/ISO 8434-2

According to SAE J514/ISO 8434-2



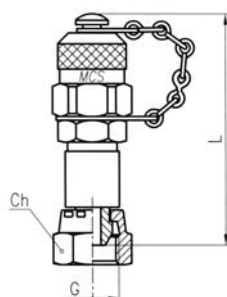
Filettatura Thread G	p max.	Quote mm Dimensions mm		Con cappuccio di plastica With plastic cap	Con cappuccio di metallo With metal cap
		Ch.	L		
7/16"-20 JIC37°	450 bar	17	68	620.06.404.00	620.06.404.01

## MINIPRESA DI PRESSIONE FEMMINA GIREVOLE – SERIE 620.07

## CHECK-COUPLING FEMALE SWIVEL – SERIES 620.07

Secondo BS 5200

According to BS 5200

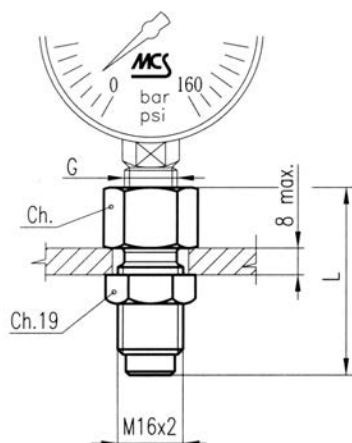


Filettatura Thread G	p max.	Quote mm Dimensions mm		Con cappuccio di plastica With plastic cap	Con cappuccio di metallo With metal cap
		L	Ch.		
ISO 228 G1/4"	630 bar	62	19	620.07.204.80	620.07.204.81



## PORTAMANOMETRO PASSAPARETE – SERIE 620.08

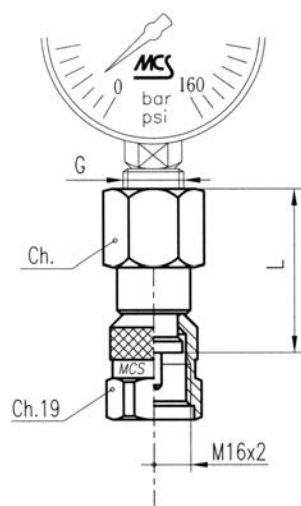
## BULKHEAD PRESSURE GAUGE CONNECTION – SERIES 620.08



Filettatura Thread G	p max.	Quote mm Dimensions mm		Passaggio libero Free flow	Con smorzatore With pressure damper
		Ch.	L		
ISO228-G 1/4"	630 bar	19	50	620.08.204.00	620.08.204.00.1
ISO228-G 1/2"	630 bar	27	58	620.08.208.00	620.08.208.00.1
1/4" NPTF	630 bar	19	50	620.08.304.00	620.08.304.00.1
1/2" NPTF	630 bar	27	58	620.08.308.00	620.08.308.00.1

## PORTAMANOMETRO PRESA DIRETTA – SERIE 620.09

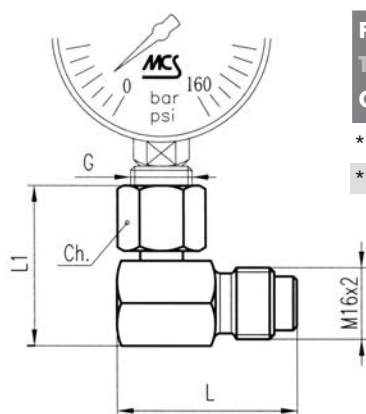
## PRESSURE GAUGE ADAPTER – SERIES 620.09



Filettatura Thread G	p max.	Quote mm Dimensions mm		Passaggio libero Free flow	Con smorzatore With pressure damper
		Ch.	L		
*ISO228-G 1/4"	630 bar	19	34	620.09.204.00	620.09.204.00.1
*ISO228-G 1/2"	630 bar	27	39	620.09.208.00	620.09.208.00.1
1/4" NPTF	630 bar	19	34	620.09.304.00	620.09.304.00.1

## PORTAMANOMETRO ORIENTABILE A GOMITO – SERIE 620.10

## 90° PRESSURE GAUGE SWIVEL CONNECTION – SERIES 620.10

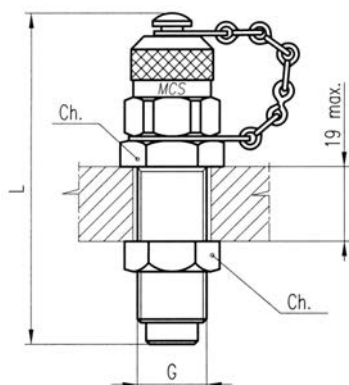


Filettatura Thread G	p max.	Quote mm Dimensions mm			Passaggio libero Free flow	Con smorzatore With pressure damper
		Ch.	L	L1		
*ISO228-G 1/4"	630 bar	17	40	40	620.10.204.00	620.10.204.00.1
*ISO228-G 1/2"	630 bar	27	40	42,7	620.10.208.00	620.10.208.00.1

\* Attacco manometro secondo EN 837-1

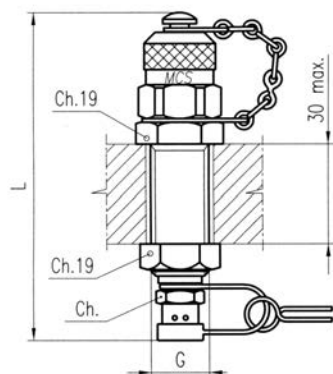
\* Gauge connection acc. EN 837-1

## MINIPRESA PASSAPARETE – SERIE 620.11



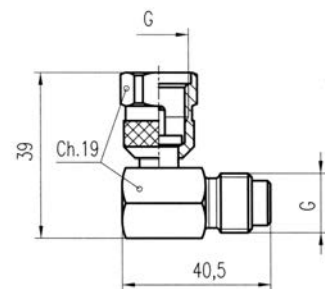
Filettatura Thread <b>G</b>	p max.	Quote mm Dimensions mm		Con cappuccio di plastica With plastic cap 620.11.000.70	Con cappuccio di metallo With metal cap 620.11.000.71
		Ch.	L		
M 16 x 2	630 bar	19	81		

## MINIPRESA PASSAPARETE (ATTACCO A BAIONETTA) – SERIE 620.12



Filettatura Thread <b>G</b>	p max.	Quote mm Dimensions mm		Con cappuccio di plastica With plastic cap 620.12.000.70	Con cappuccio di metallo With metal cap 620.12.000.71
		Ch.	L		
M 16 x 2	400 bar	12	87		

## GIUNZIONE A GOMITO – SERIE 620.13

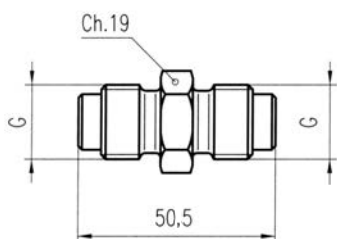


Filettatura Thread <b>G</b>	p max.	Codice Part. No.
M 16 x 2	630 bar	620.13.000.00

## 90° ELBOW CONNECTION – SERIES 620.13

## GIUNZIONE PASSAGGIO LIBERO – SERIE 620.14

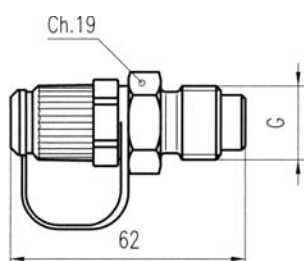
## JUNCTION WITH FREE FLOW – SERIES 620.14



Filettatura Thread G	p max.	Codice Part. No.
M 16 x 2	630 bar	620.14.162.00

## GIUNZIONE CON VALVOLA DI NON RITORNO – SERIE 620.15

## JUNCTION WITH NO-RETURN VALVE – SERIES 620.15



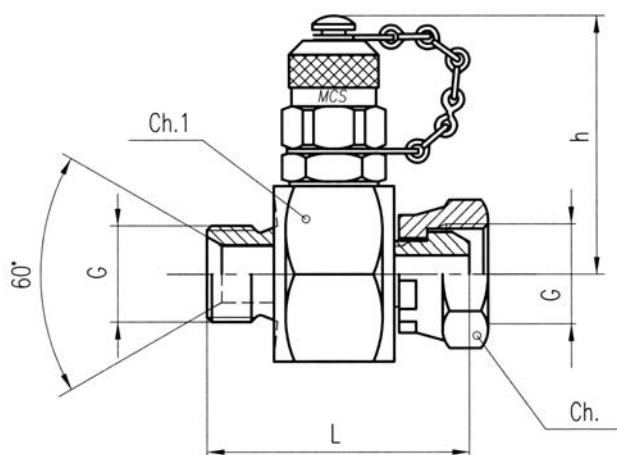
Filettatura Thread G	p max.	Codice Part. No.
M 16 x 2	630 bar	620.15.162.00

## MINIPRESA DI PRESSIONE CON GIUNZIONE DIRITTA 60° – SERIE 620.16

## CHECK COUPLING MALE - FEMALE SWIVEL 60° – SERIES 620.16

Secondo BS 5200

According to BS 5200



Filettatura Thread G	p max.	Quote mm Dimensions mm								Con cappuccio di plastica With plastic cap	Con cappuccio di metallo With metal cap
		L	Ch.	Ch.1	h						
ISO 228 G1/4"	400 bar	53	19 18	32 27	55 51,5					620.16.204.80	620.16.204.81
ISO 228 G3/8"	400 bar	60	22 24	32 27	55 51,5					620.16.206.80	620.16.206.81
ISO 228 G1/2"	400 bar	60	27	32 27	55 51,5					620.16.208.80	620.16.208.81
ISO 228 G 3/4"	400 bar	68	32	32 32	55 54					620.16.212.80	620.16.212.81
ISO 228 G 1"	345 bar	74	41	41 41	59,5					620.16.216.80	620.16.216.81

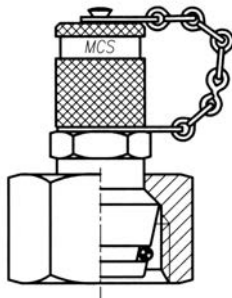
## MINIPRESA DI PRESSIONE INOX – SERIE 625.XX

INOX AISI 316 - DIN 1.4436



Modello Model  
625.01.XXX.XX

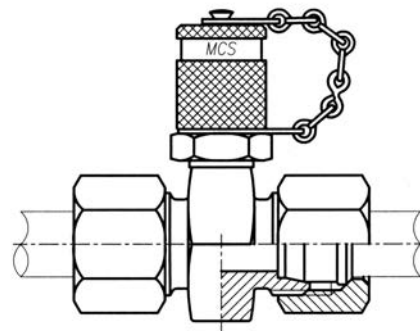
Per completare il codice vedere serie "620"  
Per tenuta a pistoncino utilizzare "626"



Modello Model  
625.02.XXX.XX

## STAINLESS STEEL CHECK COUPLING – SERIES 625.XX

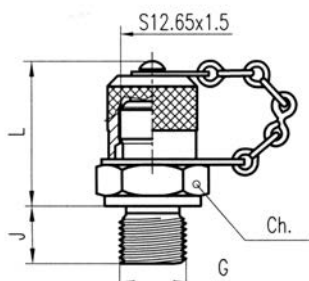
Stainless steel AISI 316 - DIN 1.4436



Modello Model  
625.04.XXX.XX

See series "620" to complete code  
Use code "626" for poppet valve

## MINIPRESA DI PRESSIONE S12.65 X 1.5 – SERIE 612.01



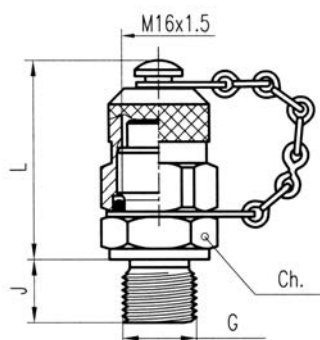
## CHECK COUPLING S12.65 X 1.5 – SERIES 612.01

Filettatura Thread G	Tipo di tenuta Sealing type	p max.	Quote mm Dimensions mm			Codice Part. No.
			L	Ch.	J±0,2	
M 8 x 1	Form F	250 bar	30	14	8.5	612.01.008.01 *
M 10 x 1	Form F	630 bar	30	14	8.5	612.01.010.01 *
ISO 228 G 1/4"	Form E	630 bar	29	19	10	612.01.204.21 *

\* Per Cappuccio in Plastica sostituire l'ultima cifra con "0"

\* For plastic cap replace last number with "0"

## MINIPRESA DI PRESSIONE M16 X 1.5 – SERIE 615.01

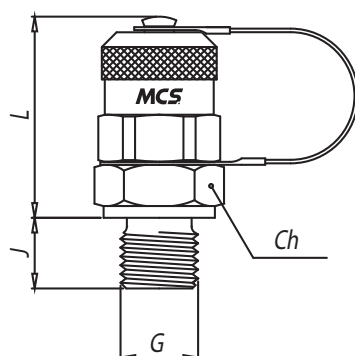


## CHECK COUPLING M16 X 1.5 – SERIES 615.01

Filettatura Thread G	Tipo di tenuta Sealing type	p max.	Quote mm Dimensions mm			Codice Part. No.
			L	Ch.	J±0,2	
ISO 228 G 1/4"	Form E	630 bar	38	19	10	615.01.204.21

## MINIPRESA DI PRESSIONE M16 X 2 - TENUTA PISTONCINO – SERIE 621.01

## CHECK COUPLING M16 X 12 - POPPET VALVE – SERIES 621.01



Filettatura Thread G	Tipo di tenuta Sealing type	p max.	Quote mm Dimensions mm			Codice Part. No.
			L	Ch.	J±0,2	
ISO 228 G 1/4"	Form E	630 bar	35	19	12	621.01.204.25

\* Altri codici sul catalogo serie 621

\* Other items in 621 series catalogue

### OPZIONI

#### TIPO VITON

Minipresa con guarnizioni in VITON aggiungere: **.V**

#### EPDM

Minipresa con guarnizioni in EPDM aggiungere: **.EA**

#### Ohne Kappe

Minipresa senza cappuccio sostituire l'ultima cifra con **2**

#### Mit Antivibrations-O-Ring

Minipresa con cappuccio di metallo ed O'ring antivibrante sostituire l'ultima cifra con **3**

### OPTIONS

#### TYPE VITON

For test point with VITON sealings add: **.V**

#### EPDM

For test point with EPDM sealings add: **.EA**

#### Without cap

For test point without cap replace the last number with **2**

#### With antivibration O'ring

For test point with metal cap and antivibration O'ring replace the last number with **3**

### ESEMPIO

620.01.204.21.**V**

620.01.204.21.**EA**

620.01.204.**22**

620.01.204.**23**

### EXAMPLES

620.01.204.21.**V**

620.01.204.21.**EA**

620.01.204.**22**

620.01.204.**23**

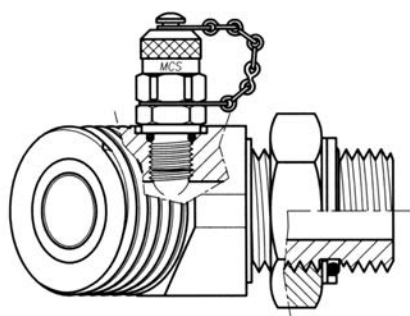
### ESECUZIONI SPECIALI A RICHIESTA

MCS offre un'ampia gamma di adattatori con minipresa su specifica del cliente.

Esempi:

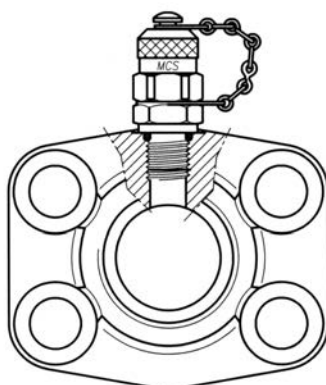
Terminale orientabile a gomito 45° ORFS

45° adjustable elbow connection ORFS



Flangia SAE

SAE Flange



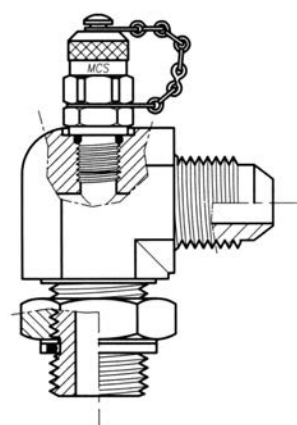
### SPECIAL EXECUTIONS ON REQUEST

MCS offer a wide range of adaptors with check-coupling according to the customer's specifications.

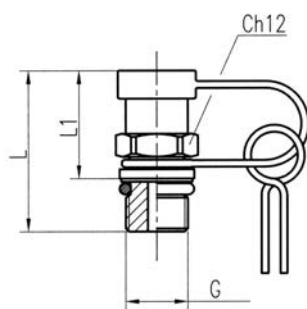
Examples:

Terminale orientabile a gomito Jic 37°

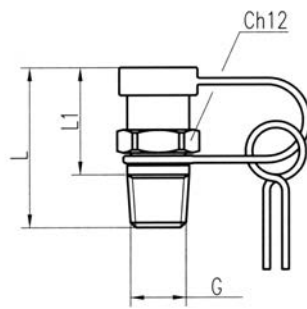
90° adjustable elbow connection Jic 37°



## MINIPRESA DI PRESSIONE A BAIONETTA – SERIE 400.01



## PLUG-IN CHECK-COUPLING – SERIES 400.01



Filettatura Thread G	Tipo di tenuta Sealing type	p max.	Quote mm Dimensions mm		Codice Part. No.	Passaggio libero Without valve
			L	L1		
M 8 x 1	Form F	250 bar	28,5	19,5	400.01.008.00	400.01.008.01
M 10 x 1	Form F	400 bar	28,5	19,5	400.01.010.00	400.01.010.01
G 1/8"	Form C	400 bar	28,5	19,5	400.01.202.00	400.01.202.01
1/8"-27 NPTF	Form C	400 bar	30,5	19,5	400.01.302.00	400.01.302.01

### ESECUZIONI A RICHIESTA

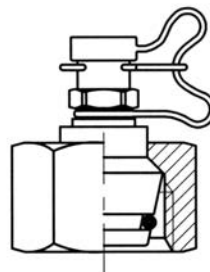
Minipresa a baionetta con codolo liscio  
Plug-in check coupling with stand pipe



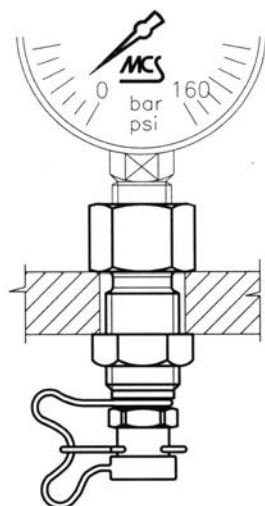
### EXECUTION ON REQUEST

Minipresa a baionetta con codolo 24°  
Plug-in check coupling with 24° sealing cone

DIN 3865

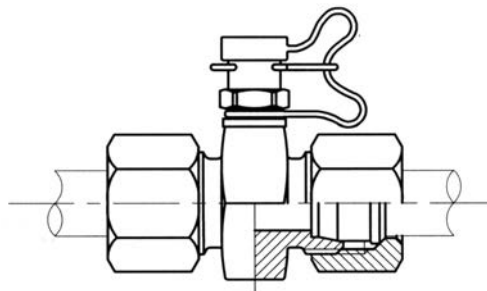


Portamanometri  
Pressure gauge connection

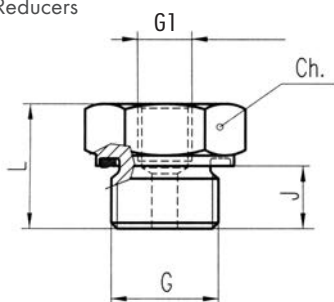


Minipresa a baionetta con giunzione diretta  
Plug-in check coupling with straight tube connection

DIN 2353/ISO 8434-1

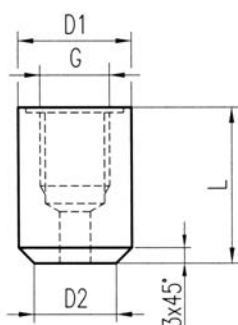


Riduzioni  
Reducers



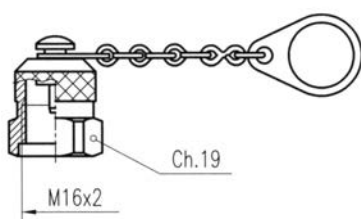
Filettatura Thread G	Tipi di tenuta Sealing type	p max.	G1	Quote mm Dimensions mm			Codice Part. No.
				Ch.	L	J	
ISO228-G 1/4"	FORM E	630 bar	M10x1	19	29	12	630.01.204.20
ISO228-G 3/8"	FORM E	630 bar	M10x1	22	25,5	12	630.01.206.20
ISO228-G 1/2"	FORM E	400 bar	M10x1	27	25	14	630.01.208.20
ISO228-G 3/4"	FORM E	400 bar	M10x1	32	29	16	630.01.212.20
ISO228-G 1"	FORM E	400 bar	G 3/8"	41	29	18	630.01.216.20

Tronchetto a saldare  
Weld bosses



Filettatura Thread G	Quote mm Dimensions mm				Codice Part. No.
	D1	D2	L	J	
ISO228-G 1/4"	20	18	28	7	630.02.204.00
M 8 x 1	22	10	26	8	630.02.008.00

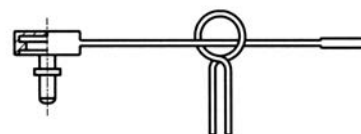
Cappuccio in acciaio  
Steel dust cap  
Part. No. 630.03.162.02



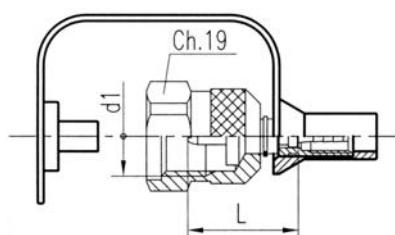
Cappuccio in plastica  
Plastic dust cap  
Part. No. 630.03.620.00



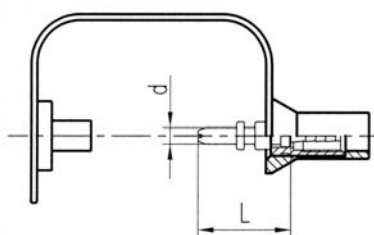
Cappuccio parapolvere per minipresa  
a baionetta  
Dust cap for plug-in check coupling  
Part. No. 630.03.400.00



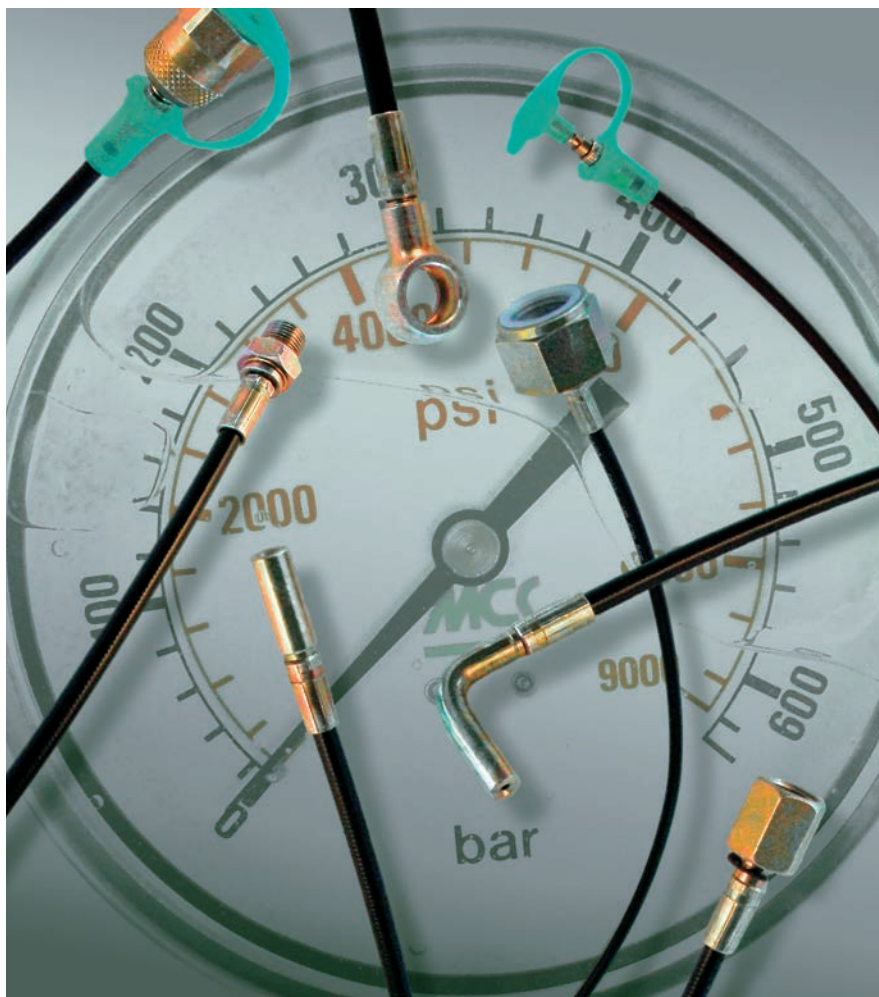
Cappuccio parapolvere per  
raccordo avvitabile M16x2  
Dust cap for nut connection M16x2  
Part. No. 800.02.000.02



Cappuccio parapolvere per  
innesto baionetta  
Dust cap for plug-in connection  
Part. No. 800.02.000.01







DN2 &amp; DN4

	Tubo / Hose		
	6400	6500	6700
diametro interno inside diameter	2 mm $\pm 0.1$	4 mm $\pm 0.2$	4 mm $\pm 0.2$
diametro esterno outside diameter	5 mm $\pm 0.1$	8 mm $\pm 0.2$	8 mm $\pm 0.2$
raggio minimo di curvatura minimum bend radius	20 mm	40 mm	40 mm
pressione max. di esercizio max. working pressure	630 bar	320 bar	500 bar
pressione di prova test pressure	950 bar	480 bar	750 bar
pressione min. di scoppio min. burst pressure	1900 bar	960 bar	1500 bar
temperatura di esercizio working temperature	-40°C +100°C		
Temperatura/pressione di lavoro temperature/working pressure	-20°C +50°C : 100%;	>80°C : 86%	>100°C : 77%
anima interna hose	poliammide polyamide		
treccia di rinforzo braid	Kevlar kevlar	fibra sintetica synthetic fibre	kevlar kevlar
copertura cover	poliammide polyamide		
peso al metro weight per meter	18 g	47 g	47 g

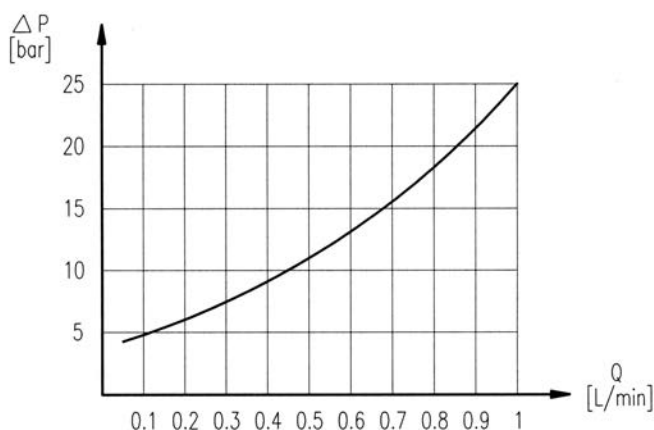
## PERDITA DI CARICO

**Tubo 6400**  
**Hose 6400**

in un tubo lungo un metro con  
olio minerale con viscosità  
= 35 mm/sec.<sup>2</sup>

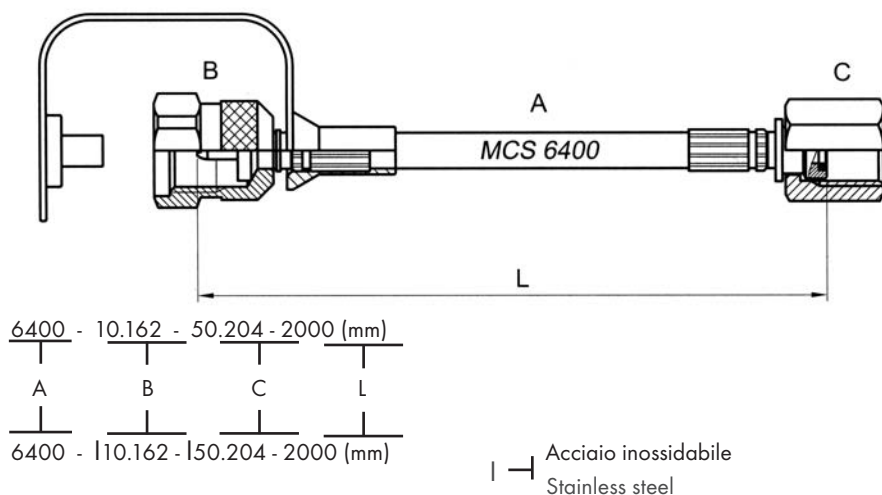
Pressure drop in a 1-meter-long hose  
with mineral oil with viscosity  
= 35 mm/sec.<sup>2</sup>

## PRESSURE DROP

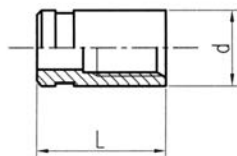


## ESEMPIO PER L'ORDINAZIONE

## ORDER EXAMPLE



**Ghiera**  
**Ferrule**



**tubo tipo / hose type**

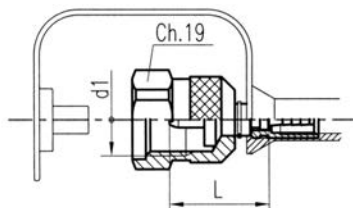
**6400**

**6500 - 6700**

Part. No.	L	d	Part. No.	L	d
800.00.002.00	14	8	800.00.004.00	17	11,5
810.00.002.00*	14	8	/	/	/

\* = inox / = stainless steel

**Raccordo avvitabile**  
**Nut connection**



**tubo tipo / hose type**

**6400**

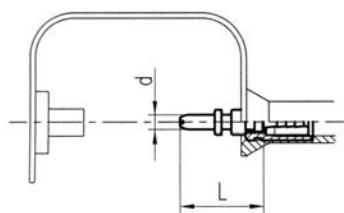
**6500 - 6700**

Part. No.	L	d1	p max.	Part. No.	L	d1	p max.
801.10.161.00	22	M16x1,5	630 bar	/	/	/	/
801.10.162.00	22	M16x2	630 bar	804.10.162.00	22	M16x2	500 bar
811.10.162.00*	22	M16x2	630 bar	/	/	/	/

801.15.162.00 Raccordo avvitabile a 90° 90° nut connection

\* = inox / = stainless steel

**Innesto a baionetta**  
**Plug-in connection**

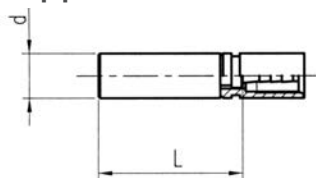


**tubo tipo / hose type**

**6400**

Part. No.	L	d	p max.
801.20.000.00	19	3,3	400 bar

**Raccordo a codolo**  
**DIN 2353 / ISO 8434-1**  
**Standpipe**



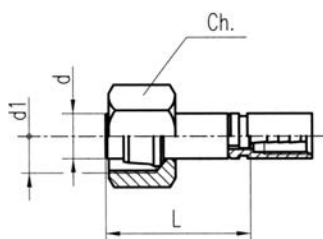
**tubo tipo / hose type**

**6400**

**6500 - 6700**

Part. No.	L	d	Part. No.	L	d
801.30.004.00	28,5	4	804.30.004.00	26	4
801.30.006.00	24,5	6	804.30.006.00	28	6
801.30.008.00	24,5	8	804.30.008.00	26	8

**Raccordo a codolo con dado**  
**Standpipe with nut**



**tubo tipo / hose type**

**6400 - 6500**

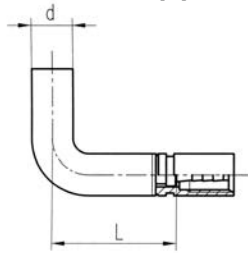
**6400**

**6700**

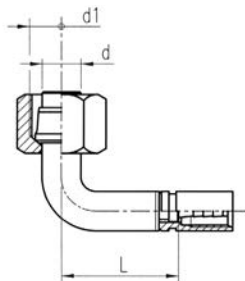
**6500 - 6700**

Part. No.	L	d	p max.	Ch.	d1	Part. no	L	d	p max.
801.31.006.00	26	6	315 bar	14	M12x1,5	804.31.006.00	29	6	315 bar
801.32.006.00	26	6	630 bar	17	M14x1,5	804.32.006.00	29	6	500 bar
801.31.008.00	26	8	315 bar	17	M14x1,5	804.31.008.00	29	8	315 bar
801.32.008.00	26	8	630 bar	19	M16x1,5	804.32.008.00	29	8	500 bar

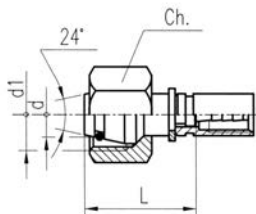
**Raccordo a codolo a 90°**  
**90° elbow standpipe**



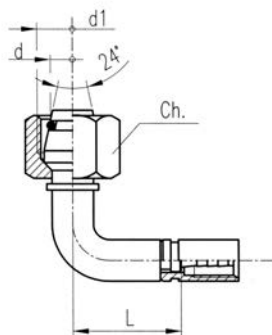
**Raccordo a codolo 90° con dado** - Secondo DIN 2353  
**90° elbow standpipe with nut**  
 - According to DIN 2353



**Raccordo femmina metrica**  
**- cono 24° con O'Ring**  
 - ISO 12151-2  
**O'Ring metric female 24° cone**  
 - ISO 12151-2



**Raccordo femmina metrica**  
**90° - cono 24° con O'Ring**  
 - ISO 12151-2  
**90° O'Ring metric elbow 24°**  
**cone - ISO 12151-2**



tubo tipo / hose type					
6400			6500 - 6700		
Part. No.	L	d	Part. No.	L	d
801.35.004.00	22	4	804.35.004.00	23	4
801.35.006.00	22	6	804.35.006.00	23	6
801.35.008.00	30,5	8	804.35.008.00	31	8

tubo tipo / hose type				6400 -			
6400				6500 - 6700		6500 - 6700	
Part. No.	L	d	p max.	Ch. d1		Part. no	p max.
801. <b>36.006.00</b>	28	6	315 bar	14	M12x1,5	804. <b>36.006.00</b>	315 bar
801. <b>37.006.00</b>	28	6	630 bar	17	M14x1,5	804. <b>37.006.00</b>	500 bar
801. <b>36.008.00</b>	30	8	315 bar	17	M14x1,5	804. <b>36.008.00</b>	315 bar
801. <b>37.008.00</b>	30	8	630 bar	19	M16x1,5	804. <b>37.008.00</b>	500 bar

tubo tipo / hose type				6400 -			
6400				6500 - 6700		6500 - 6700	
Part. No.	L	d	p max.	Ch.	d1	Part. no	p max.
801.40.006.01	17	6	100 bar	12	M10x1		
801.40.006.00	21	6	315 bar	14	M12x1,5	804.40.006.00	315 bar
801.41.006.00	21	6	630 bar	17	M14x1,5	804.41.006.00	500 bar
801.40.008.00	21	8	315 bar	17	M14x1,5	804.40.008.00	315 bar
801.41.008.00	21	8	630 bar	19	M16x1,5	804.41.008.00	500 bar
801.40.010.00	21	10	315 bar	19	M16x1,5	804.40.010.00	315 bar
801.41.010.00	21	10	630 bar	22	M18x1,5	804.41.010.00	500 bar

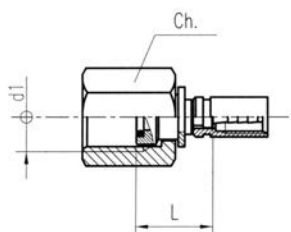
tubo tipo / hose type				6400 -			
6400				6500 - 6700		6500 - 6700	
Part. No.	L	d	p max.	Ch. d1		Part. no	p max.
801.42.006.00	32	6	315 bar	14	M12x1,5	804.42.006.00	315 bar
801.43.006.00	32	6	630 bar	17	M14x1,5	804.43.006.00	500 bar
801.42.008.00	30	8	315 bar	17	M14x1,5	804.42.008.00	315 bar
801.43.008.00	30	8	630 bar	19	M16x1,5	804.43.008.00	500 bar
801.42.010.00	30	10	315 bar	19	M16x1,5	804.42.010.00	315 bar
801.43.010.00	30	10	630 bar	22	M18x1,5	804.43.010.00	500 bar

**Raccordo manometro**

EN 837-1

**Pressure gauge fitting**

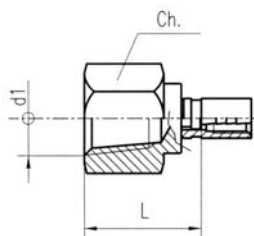
EN 837-1

**Raccordo manometro**

ANSI/ASME B 1.20.1 - ISO 7-1

**Pressure gauge fitting**

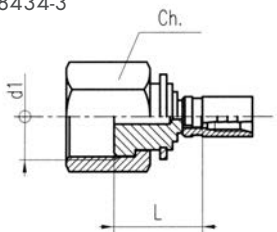
ANSI/ASME B 1.20.1 - ISO 7-1

**Raccordo femmina girevole "ORFS"**

ISO 8434-3

**Female swivel "ORFS"**

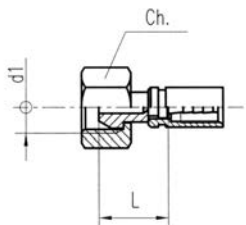
ISO 8434-3

**Raccordo femmina girevole 60°**

BS 5200 / DIN 3863

**60° female swivel**

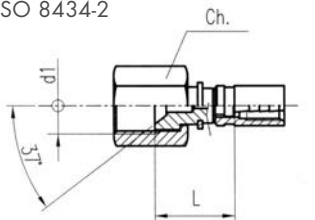
BS 5200 / DIN 3863

**Raccordo femmina girevole**

JIC 37° ISO 8434-2

**JIC 37° female swivel**

ISO 8434-2

**tubo tipo / hose type****6400**

Part. No.	L	d1	Ch.	p max.	Part. No.	L	d1	Ch.	p max.
801.50.204.00	15	ISO 228 G1/4"	17	630 bar	804.50.204.00	15	/	/	500 bar
801.50.208.00	17	ISO 228 G1/2"	27	630 bar					
801.50.112.00*	17	M20 x 1,5	24	630 bar					

801.54.204.00 Raccordo portamanometro a 90°

90° Pressure gauge

\*Non secondo EN 837-1 Out of standard EN 837-1

**6500-6700****tubo tipo / hose type****6400**

Part. No.	L	d1	Ch.	p max.
801.50.304.00	23	1/4"-18 NPTF	19	630 bar
801.52.204.00	23	ISO 7/1 R 1/4"	19	630 bar

**tubo tipo / hose type****6400**

Part. No.	L	d1	Ch.	p max.
801.53.506.00	18	11/16-16 UN	22	400 bar

**tubo tipo / hose type****6400**

Part. No.	L	d1	Ch.	p max.	Part. No.	L	d1	Ch.	p max.
801.60.202.00	14	ISO 228 G1/8"	14	400 bar					
801.60.204.00	18	ISO 228 G1/4"	17	630 bar	804.60.204.00	18	/	/	500 bar
801.60.141.00	18	M14x1,5	19	630 bar					

801.65.204.00 Raccordo femmina girevole a 90° G1/4"

90° Elbow female swivel G1/4"

**6500-6700****tubo tipo / hose type****6400**

Part. No.	L	d1	Ch.	p max.	Part. No.	L	d1	Ch.	p max.
801.60.404.00	15	7/16"-20 UNF	14	450 bar	804.60.404.00	15	/	/	450 bar
801.60.405.00	17	1/2"-20 UNF	16	420 bar					

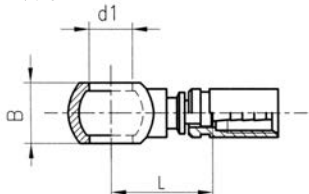
**6500-6700**

**Raccordo ad occhio diritto**

DIN 7642

**Straight banjo**

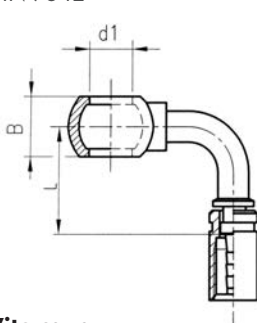
DIN 7642

**Raccordo ad occhio a 90°**

DIN 7642

**90° banjo**

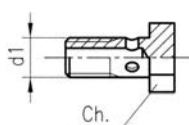
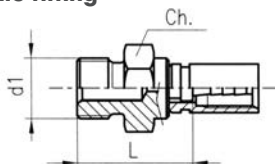
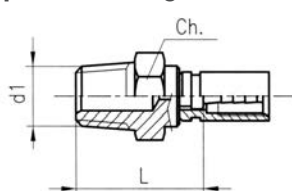
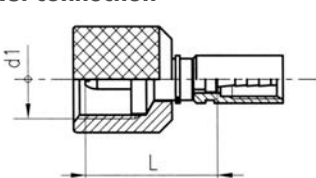
DIN 7642

**Vite cava**

DIN 7643

**Screw for banjo**

DIN 7643

**Raccordo maschio fisso****Male fitting****Raccordo maschio fisso conico****conico****Taper male fitting****Raccordo avvitabile****Nut connection****tubo tipo / hose type****6400****6500 - 6700**

Part. No.	L	d1	B	p max.	Part. no	L	d1	p max.
801.70.008.00	19	8	8	200 bar	804.70.008.00	19	8	200 bar
801.70.010.00	21	10	10	200 bar	804.70.010.00	21	10	200 bar
801.70.202.00	21	1/8"	10	200 bar	804.70.202.00	21	1/8"	200 bar

**tubo tipo / hose type****6400****6500 - 6700**

Part. No.	L	d1	B	p max.	Part. no	L	d1	p max.
801.72.008.00	25	8	8	200 bar	804.72.008.00	19	8	200 bar
801.72.010.00	22	10	10	200 bar	804.72.010.00	22	10	200 bar
801.72.202.00	22	1/8"	10	200 bar	804.72.202.00	22	1/8"	200 bar

Part. No.	d1	Ch.
A38-08M	M8 x 1	12
A38-10M	M10 x 1	14
A39-A02	ISO 228 G1/8"	14

**tubo tipo / hose type****6400**

Part. No.	L	d1	Ch.	p max.
801.80.202.00	19	ISO 228 G1/8"	14	400 bar
801.80.204.00	24,5	ISO 228 G1/4"	19	400 bar

**tubo tipo / hose type****6400****6500-6700**

Part. No.	L	d1	Ch.	p max.	Part. No.	L	d1	Ch.	p max.
801.80.302.00	21	1/8"-27 NPTF	13	400 bar	804.80.302.00	21	/	/	400 bar
801.80.304.00	26	1/4"-18 NPTF	17	630 bar					

**tubo tipo / hose type****6400**

Part. No.	L	d1	p max.
801.10.125.00	22	S12.65x1,5	630 bar
801.15.125.00		Raccordo avvitabile 90°	90° Nut connection

**MANOMETRO DIGITALE CON  
PRECISIONE 0,1%**

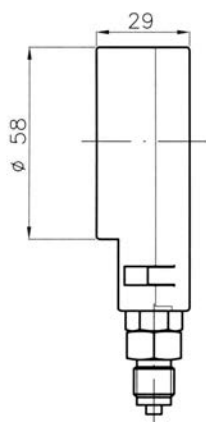


**DIGITAL PRESSURE GAUGE WITH  
ACCURACY 0.1%**





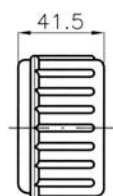
## MODELLO DG2



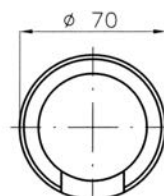
## MODEL DG2



## PROTEZIONE URTI



## SHOCK PROTECTION



Campo di misura Pressure range	Risoluzione Resolution	Precisione totale* Total accuracy*
-1.....3 bar	1 mbar	typ. 4 mbar max 6 mbar
-1.....30 bar	10 mbar	typ. 30 mbar max 60 mbar
0...300 bar	100 mbar	typ. 0,3 bar max 0,6 bar
0...700 bar	200 mbar	typ. 0,7 bar max 1,4 bar

\* Include: linearità, ripetibilità, isteresi, errore di temperatura e risoluzione display

\* Include: linearity, repeatability, hysteresis, temperature error and display resolution

Precisione	Accuracy	0.1% FStyp. - 0.2% FSmax
Temperatura di stoccaggio	Storage temperature	-30...80 °C
Campo di temperatura compensata	Compensated temperature range	0...50 °C
Protezione CEI 529	Protection CEI 529	IP65
Connessione filettata	Pressure connection	1/4" Gas DIN 16288
Peso	Weight	125 g

**MODELLO DG2** Frequenza di campionamento: 2 Hz  
**MODEL DG2** Sample rate: 2 Hz

**MODELLO DG1** Come DG2 ma con frequenza di campionamento 5000 Hz per rilevazione picchi.  
**MODEL DG1** Similar as DG2 but with 5000 hz sample rate for peaks measurements.

## ESEMPIO PER L'ORDINAZIONE

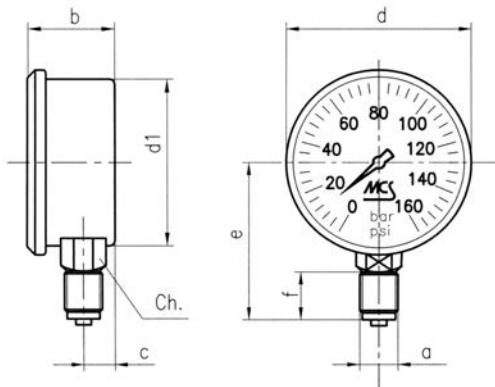
\_\_\_\_\_ Tipo 1 o 2  
 DG X - XXX \_\_\_\_\_ Campo di misura  
 (003/030/300/700)

## ORDER EXAMPLE

\_\_\_\_\_ Type 1 or 2  
 DG X - XXX \_\_\_\_\_ Pressure range  
 (003/030/300/700)



### Attacco radiale Bottom connection

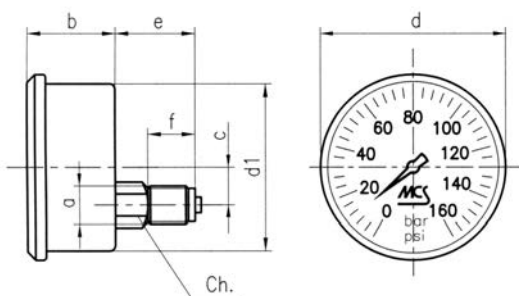


#### Quote / Dimensions

Tipo Type	DN	a	b	c	d	d1	e	f	Ch.
7211	63	ISO 228 1/4"G	31	10	69	63	51	12	14
7211	100	ISO 228 1/2"G	47	17	105	100	80	18	22

### Attacco posteriore Back connection

Centrale Centric  
Eccentrico Eccentric

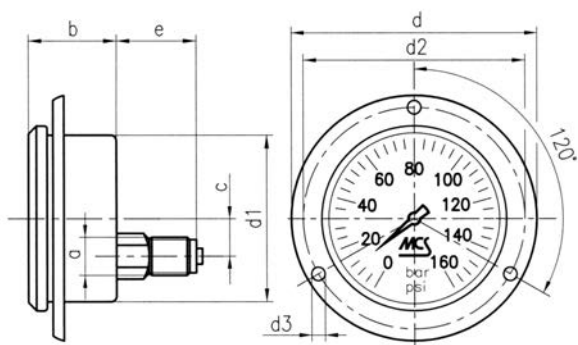


#### Quote / Dimensions

Tipo Type	DN	a	b	c	d	d1	e	f	Ch.
7214	63	ISO 228 1/4"G	31	19	69	63	22	12	14
7215	100	ISO 228 1/2"G	37,5	31	105	100	35	18	22

### Attacco posteriore con flangia Back connection with front fixing flange

Centrale Centric  
Eccentrico Eccentric

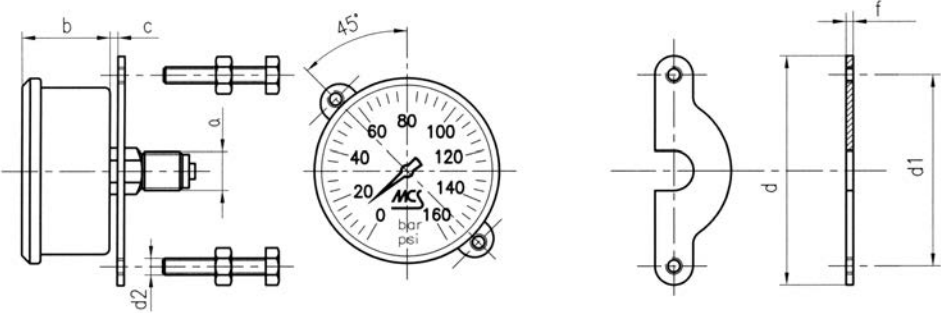


#### Quote / Dimensions

Tipo Type	DN	a	b	c	d	d1	d2	d3	e
7216	63	ISO 228 1/4"G	31	19	84	63	75	4,5	14
7218	100	ISO 228 1/2"G	37,5	31	132	100	116	4,5	35

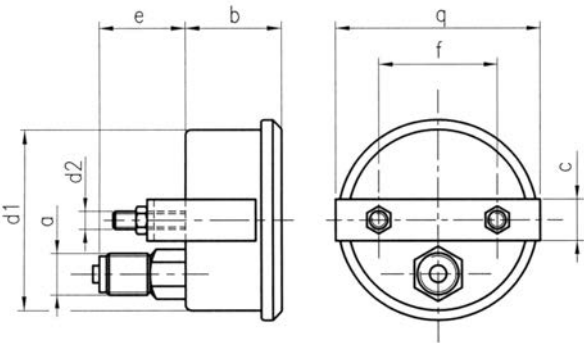
Attacco posteriore con staffa di fissaggio  
Back connection with clamp

Quote / Dimensions								
Tipo Type	DN	a	b	c	d	d1	f	
7217	63	ISO 228 1/4"G	31	5	82	68	2,5	



Attacco posteriore con staffa di fissaggio  
Back connection with clamp

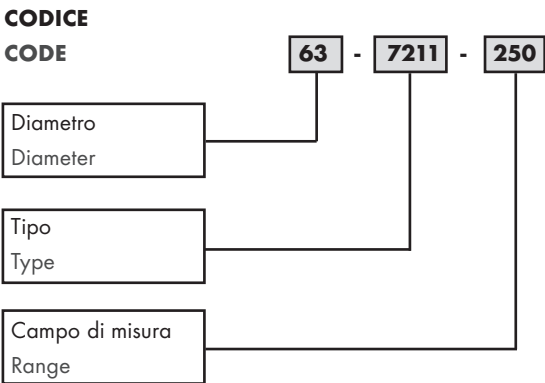
Quote / Dimensions										
Tipo Type	DN	a	b	e	d1	d2	c	f	q	
7219	100	ISO 228 1/2"G	37,5	35	100	M5	25	63	108	



ESEMPIO PER L'ORDINAZIONE

Doppia scala		Ranges	
bar		psi	
-1 + 1,5 bar	No	psi	
-1 + 15 bar	No	psi	
0 - 2,5 bar	36	psi	
0 - 6 bar	85	psi	
0 - 10 bar	140	psi	
0 - 16 bar	230	psi	
0 - 25 bar	350	psi	
0 - 40 bar	550	psi	
0 - 60 bar	850	psi	
0 - 100 bar	1400	psi	
0 - 160 bar	2300	psi	
0 - 250 bar	3500	psi	
0 - 400 bar	5500	psi	
0 - 600 bar	8500	psi	
0 - 1000 bar	a richiesta on request		

ORDER EXAMPLE



### Pressione d'esercizio

Stabile: 75% del valore di fondoscala

### Temperatura d'utilizzo

Ambiente: -25 °C a 65 °C

### Sovrapressione

25% ≤ 100 bar ; 15% > 100 bar

### Costruzione

cassa in acciaio inox riempita di glicerina con valvola di sfianto

### Fascia bordata

in acciaio inox AISI 304

### Flangia di fissaggio

in acciaio inox AISI 304 con tre fori

### Quadrante

in alluminio a sfondo bianco, con graduazione e numerazione in nero e rosso Marchio MCS in verde

### Indice

in alluminio laccato nero

### Vetro

in policarbonato trasparente

### Attacco

in ottone per pressioni da 0 a 600 bar con strozzatura interna da 0,8 mm

### Molla tubolare

in bronzo fosforoso con saldature dolci per pressioni fino a 600 bar

in acciaio al Cr-Ni con saldature forti per pressioni da 600 a 1000 bar

### Dimensioni nominali e tipi di montaggio

a norme EN 837

### Precisione di misura a 20 °C

± 1,6% v.f.s. per manometri ø 63 UNI 8293 e DIN 16005

± 1% v.f.s. per manometri ø100 UNI 8293 e DIN 16005

### Grado di protezione

IP 65 secondo EN 837

### Graduazione e numerazione

secondo EN 837

### Working pressure

Steady: 75% of full scale value

### Working temperature range

Ambient: -25 °C to 65 °C / -40 °F to 150 °F

### Overpressure

25% ≤ 100 bar ; 15% > 100 bar

### Casing body

glycerine filled in stainless steel case with safety vent

### Band ring

stainless steel AISI 304

### Fixing flange

stainless steel AISI 304 with 3 holes

### Dial

white painted aluminium with indelible black and red graduation MCS green mark

### Needle

black painted aluminium

### Transparent cover

polycarbonat

### Connection

brass for pressure up to 600 bar

### Tubular spring

in phosphor bronze for pressure up to 600 bar

Cr-Ni steel for pressure up to 1000 bar

### Dimensions and assembly

according to EN 837

### Accuracy with temperature 20 °C

+/- 1,6% referred to full scale value ø 63 UNI 8293 and DIN 16005

+/- 1% referred to full scale value ø 100 UNI 8293 and DIN 16005

### Protection class

IP 65 according to EN 837

### Range and graduation

according to EN 837

## VALIGETTA IN METALLO PER CONTROLLO PRESSIONI

## METAL TEST BOX FOR PRESSURE CHECK



Costruzione in lamiera d'acciaio

Verniciatura a forno resistente agli urti

Coperchio sfilabile comprendente manometri a bagno di glicerina

Vano per microtubi protetto da coperchio in lamiera d'acciaio

Serie di microtubi lunghezza 2000 mm

Dimensioni: 420 x 110 x 310 mm

Construction: sheet-steel

Shock resistant oven-baked painting

Removable cover comprising glycerine-filled pressure gauges

Box for micro-hoses protected by a sheet-steel cover

1 set of micro-hoses with length 2000 mm

Dimensions: 420 x 110 x 310 mm

### DOPPIA SCALA DOUBLE SCALE

### BAR / PSI BAR / PSI

0 - 2,5 bar	0- 36 PSI
0 - 6 bar	0- 85 PSI
0 - 10 bar	0- 140 PSI
0 - 16 bar	0- 230 PSI
0 - 25 bar	0- 350 PSI
0 - 40 bar	0- 550 PSI
0 - 60 bar	0- 850 PSI
0 - 100 bar	0-1400 PSI
0 - 160 bar	0-2300 PSI
0 - 250 bar	0-3500 PSI
0 - 400 bar	0-5500 PSI
0 - 600 bar	0-8500 PSI
-1+ 1,5 bar	
-1+ 15 bar	

**MODELLO 750 N.63.00****4 manometri ø 63 mm**

+ 4 microtubi con terminali M 16 x 2  
peso: 9,5 kg

**4 pressure gauges ø 63 mm**

+ 4 micro-hoses with terminals M 16 x 2  
weight: 9.5 kg

**MODEL 750 N.63.00****MODELLO 750 N.63.10****2 manometri ø 63 mm + 2 ø 100 mm**

+ 4 microtubi con terminali M 16 x 2  
peso: 10,5 kg

**2 pressure gauges ø 63 mm + 2 ø 100 mm**

+ 4 micro-hoses with terminals M 16 x 2  
weight: 10.5 kg

**MODEL 750 N.63.10****MODELLO 750 N.63.00.7****7 manometri ø 63 mm**

+ 7 microtubi con terminali M 16 x 2  
peso: 11 kg

**7 pressure gauges ø 63 mm**

+ 7 micro-hoses with terminals M 16 x 2  
weight: 11 kg

**MODEL 750 N.63.00.7**



## VALIGETTA IN PLASTICA PER CONTROLLO PRESSIONI

## PLASTIC TEST BOX FOR PRESSURE CHECK



**MODELLO 750.KP1**

1	Valigetta in plastica	KP1
2	Manometri a bagno di glicerina	ø 63
1	Microtubo	6400-10.162-50.204-2000 mm
Dimensioni		240 x 200 x 40 mm

**MODELLO 750.KP2**

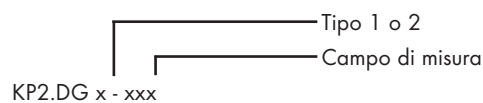
1	Valigetta in plastica	KP2
2	Manometri a bagno di glicerina	ø 63
2	Miniprese di pressione	620.01.204.21
1	Microtubo	6400-10.162-10.162-2000 mm
2	Portamanometri	620.08.204.00
1	Portamanometro presa diretta	620.09.204.00
1	Riduzione	630.01.206.20
1	Riduzione	630.01.208.20
1	Minipresa	620.01.008.01
1	Minipresa	620.01.010.01
Dimensioni		390 x 200 x 80 mm

**MODELLO 750.KP2.DG**

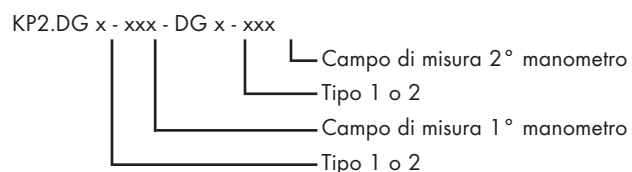
1	Valigetta in plastica	KP2
1(2)	Manometer	DGx.xxx
1	Minipresa di pressione	620.01.204.21
1	Minipresa di pressione	620.01.014.21
1	Minipresa di pressione	620.01.008.01
1	Minipresa di pressione	620.01.010.01
1	Riduzione	630.01.206.20
1	Riduzione	630.01.208.20
1	Portamanometro presa diretta	620.09.204.00
1(2)	Microtubo	6400-10.162-50.204-1000
Dimensioni		390 x 260 x 80 mm

**ESEMPIO PER L'ORDINAZIONE**

N° 1 Manometro



N° 2 Manometri

**MODEL 750.KP1**

1	Plastic box	KP1
2	Glycerine-filled pressure gauges	ø 63
1	Micro-hose	6400-10.162-50.204-2000 mm
Dimensions		240 x 200 x 40 mm

**MODEL 750.KP2**

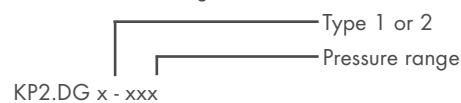
1	Plastic box	KP2
2	Glycerine-filled pressure gauges	ø 63
2	Test points	620.01.204.21
1	Micro-hose	6400-10.162-10.162-2000 mm
2	Pressure gauge connections	620.08.204.00
1	Pressure gauge adapter	620.09.204.00
1	Reducer	630.01.206.20
1	Reducer	630.01.208.20
1	Test point	620.01.008.01
1	Test point	620.01.010.01
Dimensions		390 x 200 x 80 mm

**MODEL 750.KP2.DG**

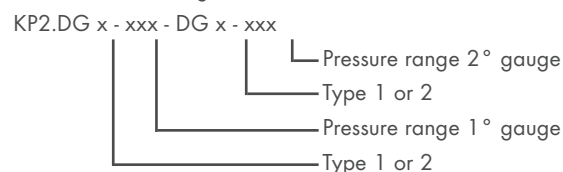
1	Plastic box	KP2
1(2)	Pressure gauge	DGx.xxx
1	Test point	620.01.204.21
1	Test point	620.01.014.21
1	Test point	620.01.008.01
1	Test point	620.01.010.01
1	Reducer	630.01.206.20
1	Reducer	630.01.208.20
1	Pressure gauge adapter	620.09.204.00
1(2)	Micro-hose	6400-10.162-50.204-1000
Dimensions		390 x 260 x 80 mm

**ORDER EXAMPLE**

N° 1 Pressure Gauge



N° 2 Pressure Gauge





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[www.oleotec.it](http://www.oleotec.it)

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