



103 SERIES

ISO-B

CARBON STEEL /
AISI 316 / BRASS



Manufactured according to ISO 7241-B norm.

Poppet Valve closing system.

BSP, NPTF, SAE/ORB threads. Other threads available upon request.

• Materials

	CARBON STEEL	STAINLESS STEEL	BRASS
Body	Carbon Steel EN-10277-3	AISI 316	Brass CuZn39Pb3
Seals	NBR, Viton or EPDM	NBR, Viton or EPDM	NBR, Viton or EPDM
Back-up-ring	PTFE	PTFE	PTFE
Balls	AISI 1010/1015	AISI316 W. 14401	AISI316 W. 14401
Springs	Carbon Steel DIN 17233/84(B)	AISI302 DIN 17224	AISI302 DIN 17224

• Working temperature (Seals)

	NBR	Viton	EPDM
	+100°C	+200°C	+150°C
	-30°C	-10°C	-40°C

• Sectors

Carbon Steel → Industrial.



Stainless Steel → Chemical, Industrial, Offshore.



• **Applications:** Designed for Oil hydraulic Applications according to European Directive 97.23.EC

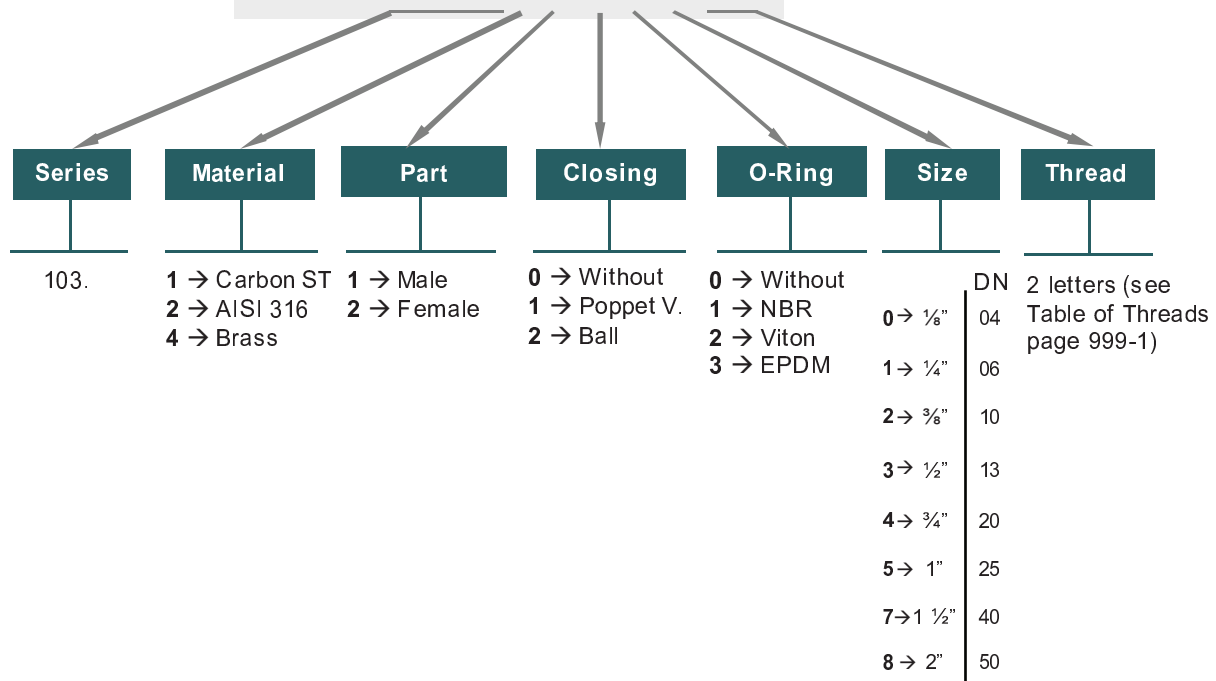
• Equivalence

FASTER H AEROQUIP FD45
PARKER 60 SNAP-TITE 72

MODEL STRUCTURE

Example;

103.22112BC



103-1

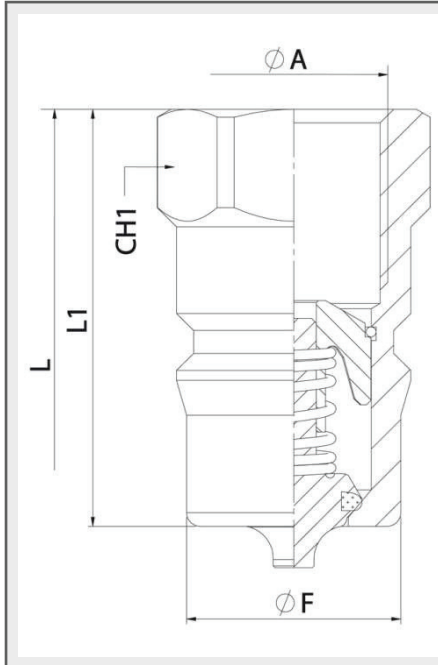




103 SERIES

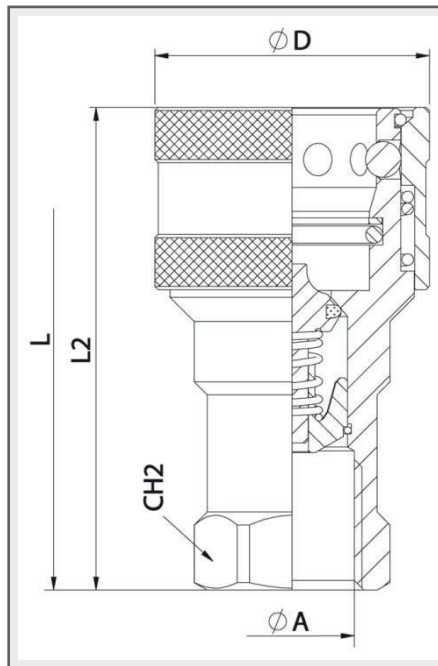
ISO-B

CARBON STEEL /
AISI 316



MALE				
DN	CH1	L1	ØF	L
04	14	30	10,90	60
06	19	36	14,20	72
10	24	40,50	19,10	81
13	27	46	23,55	92
20	36	56	31,45	112
25	41	63	37,80	126

STANDARD CARBON STEEL MODELS				
DN	ØA	MALE	FEMALE	
04	1/8" BSP	103.11110AA	103.12110AA	400Bar
	1/8" NPTF	103.11110BA	103.12110BA	
06	1/4" BSP	103.11111AB	103.12111AB	380Bar
	1/4" NPTF	103.11111BB	103.12111BB	
10	3/8" BSP	103.11112AC	103.12112AC	350Bar
	3/8" NPTF	103.11112BC	103.12112BC	
	3/4" -16ORB	103.11112GF	103.12112GF	
13	1/2" BSP	103.11113AD	103.12113AD	320Bar
	1/2" NPTF	103.11113BD	103.12113BD	
	3/4" -16ORB	103.11113GF	103.12113GF	
20	7/8" 14ORB	103.11113GH	103.12113GH	300Bar
	3/4" BSP	103.11114AE	103.12114AE	
	3/4" NPTF	103.11114BE	103.12114BE	
	1 1/16" -12ORB	103.11114GK	103.12114GK	
25	1" BSP	103.11115AF	103.12115AF	280Bar
	1" NPTF	103.11115BF	103.12115BF	
	1 5/16" -12ORB	103.11115GO	103.12115GO	



FEMALE				
DN	CH2	L2	ØD	L
04	14	49	22	60
06	19	57,70	27	72
10	24	65,50	35	81
13	27	74	42	92
20	36	90	52	112
25	41	103	60	126

STANDARD AISI 316 MODELS				
DN	ØA	MALE	FEMALE	
04	1/8" BSP	103.21120AA	103.22120AA	320Bar
	1/8" NPTF	103.21120BA	103.22120BA	
06	1/4" BSP	103.21121AB	103.22121AB	280Bar
	1/4" NPTF	103.21121BB	103.22121BB	
10	3/8" BSP	103.21122AC	103.22122AC	260Bar
	3/8" NPTF	103.21122BC	103.22122BC	
	3/4" -16ORB	Upon request		
13	1/2" BSP	103.21123AD	103.22123AD	260Bar
	1/2" NPTF	103.21123BD	103.22123BD	
	3/4" -16ORB	Upon request		
20	7/8" 14ORB	Upon request		210Bar
	3/4" BSP	103.21124AE	103.22124AE	
	3/4" NPTF	103.21124BE	103.22124BE	
	1 1/16" -12ORB	Upon request		
25	1" BSP	103.21125AF	103.22125AF	210Bar
	1" NPTF	103.21125BF	103.22125BF	
	1 5/16" -12ORB	Upon request		



103 SERIES

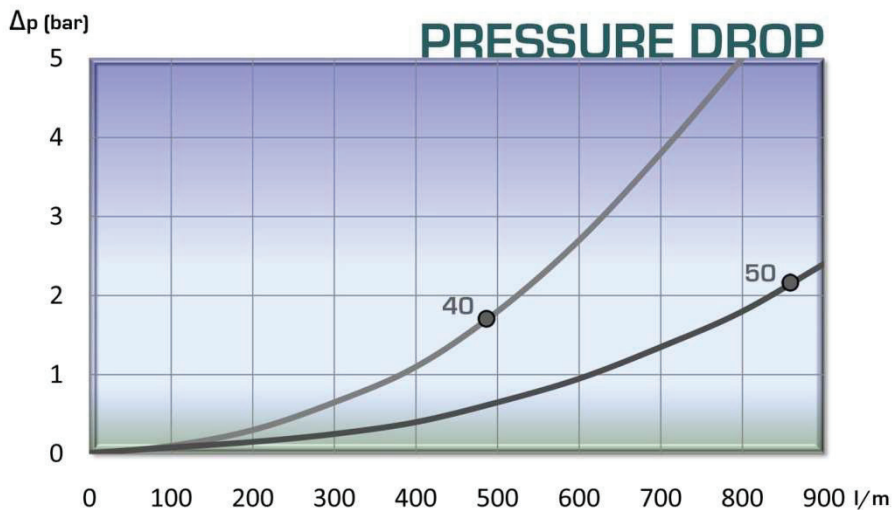
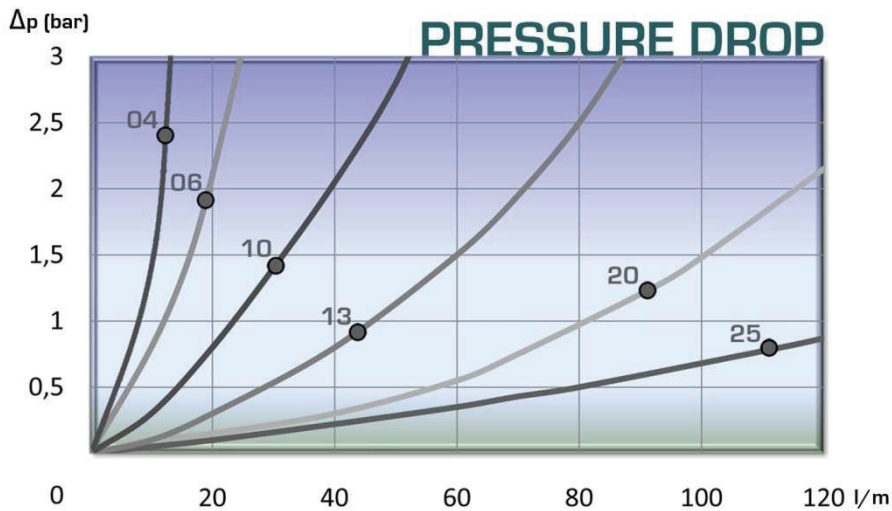
ISO-B CARBON STEEL



TECHNICAL DATA

DN	Rated Flow	Min Burst Pressure (bar)			Max. Working Pressure *
		Male	Female	Coupled	
04	7 l/m	1650	1750	1600	400 bar
06	15 l/m	1650	1800	1520	380 bar
10	35 l/m	1580	1580	1400	350 bar
13	47 l/m	1310	1450	1280	320 bar
20	93 l/m	1310	1380	1200	300 bar
25	118 l/m	1200	1400	1120	280 bar
40	480 l/m	550	560	560	140 bar
50	890 l/m	370	410	400	100 bar

* Safety factor 1:4
Data of Carbon Steel models



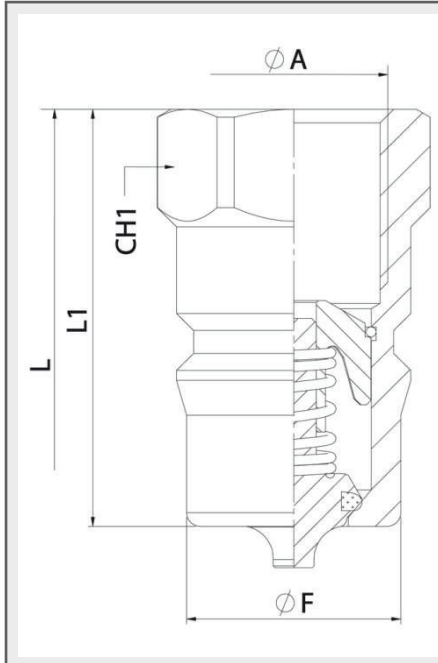
103-3





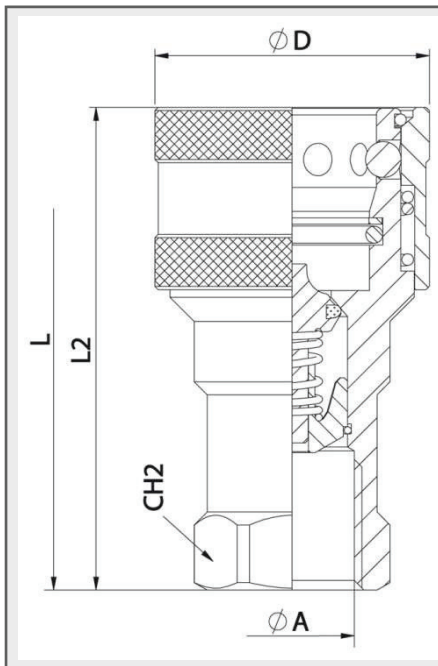
103 SERIES

ISO-B BRASS



MALE				
DN	CH1	L1	ØF	L
04	14	30	10,90	60
06	19	36	14,20	72
10	24	40,50	19,10	81
13	27	46	23,55	92
20	36	56	31,45	112
25	41	63	37,80	126

STANDARD BRASS MODELS				
DN	ØA	MALE	FEMALE	
04	1/8" BSP	103.41120AA	103.42120AA	250Bar
	1/8" NPTF	103.41120BA	103.42120BA	
06	1/4" BSP	103.41121AB	103.42121AB	200Bar
	1/4" NPTF	103.41121BB	103.42121BB	
	3/8" BSP	103.41122AC	103.42122AC	
10	3/8" NPTF	103.41122BC	103.42122BC	200Bar
	3/4"-16ORB	Upon request		
	1/2" BSP	103.41123AD	103.42123AD	
	1/2" NPTF	103.41123BD	103.42123BD	
13	3/4" - 16ORB	Upon request		200Bar
	7/8" 14ORB	Upon request		
	3/4" BSP	103.41124AE	103.42124AE	
20	3/4" NPTF	103.41124BE	103.42124BE	150Bar
	1 1/16"-12ORB	Upon request		
	1" BSP	103.41125AF	103.42125AF	
25	1" NPTF	103.41125BF	103.42125BF	150Bar
	1 5/16"-12ORB	Upon request		



FEMALE				
DN	CH2	L2	ØD	L
04	14	49	22	60
06	19	57,70	27	72
10	24	65,50	35	81
13	27	74	42	92
20	36	90	52	112
25	41	103	60	126