

SNELKOPPELINGEN EN TOEBEHOREN

GSS HYDRAULICS

HOGEDRUKSLANGEN & KOPPELINGEN



LEVERINGSPROGRAMMA

05-2011

GSS HYDRAULICS

HOGEDRUKSLANGEN & KOPPELINGEN

Leveringsprogramma

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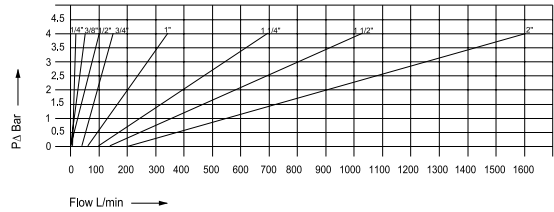
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ISO A SERIES



Working temperature:
-25° a +125° with NBR seals.

Applications:
The ISO A couplings have been designed for oil hydraulic applications, and meet the requirements of European directive 97.23.EC.



Interchangeable with:
FASTER ANV
AEROQUIP FD56
PARKER 6600
SNAP-TITE 61

Material: Made in EN10277-3 carbon steel, with all of the components that require it being subjected to a hardness process.

Surface finishing: Yellow Dichromated

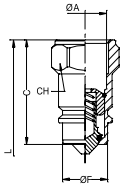
Seals: Standard, in NBR. Different seals types can be supplied by order.

Back-up-ring: In PTFE, TEFLON®.

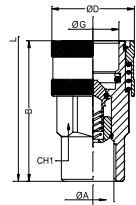
Springs: Manufactured in DIN 17223/84(B) steel.

Balls: AISI 1010/1015.

MALE	MALE CODE	THREAD	Max. Working Pressure	ØA	C	CH	L	ØF	ØD	B	ØG	CH1	FEMALE CODE	FEMALE
				mm	mm	mm	mm	mm	mm	mm	mm	mm		



QRP04-FBF	BSP	350 Bar	1/4"	36	19	72	11.8	26	51	13.05	19	QRC04-FBF	
QRP06-FBF	BSP	300 Bar	3/8"	40.5	22	81	17.25	32	58.5	18.04	24	QRC06-FBF	
QRP08-FBF	BSP	300 Bar	1/2"	46	27	87.5	20.5	38	63.5	23.8	30	QRC08-FBF	
QRP12-FBF	BSP	250 Bar	3/4"	56	36	112	29	46	83.5	30.7	38	QRC12-FBF	
QRP16-FBF	BSP	230 Bar	1"	63	41	126	34.3	55	97	36.7	46	QRC16-FBF	



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PLUG	CODE	SIZE	CODE	CAP
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	QRC06DC	1/4"	QRP04DC	
	QRC08DC	3/8"	QRP06DC	
	QRC08DC	1/2"	QRP08DC	
	QRC12DC	3/4"	QRP12DC	
	QRC16DC	1"	QRP16DC	

The quick couplings of the ISO A Series have been designed in accordance with the ISO 7241-A rule. The 1/2" version also meets the requirements of the ISO 5675 rule.

Both feature a poppet valve, also available with ball locks.

Designed chiefly for agricultural and industrial sectors.

For protection during disconnection, plastic caps and plugs have been designed, available from 1/4" to 1".

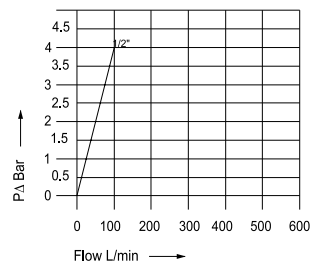
Manufactured with BSP female threads according to the DIN/ISO 228 rule.

PUSH PULL SERIES



Working temperature:
-25° a +125° with NBR seals.

Applications:
The PSH / PSM couplings have been designed for oil hydraulic applications, and meet the requirements of European directive 97.23.EC.



Interchangeable with:
FASTER PV / CPV
PARKER 4200

Material: Made in EN10277-3 carbon steel, with all of the components that require it being subjected to a hardness process.

Surface finishing: Yellow Dichromated

Seals: Standard, in NBR. Different seals types can be supplied by order.

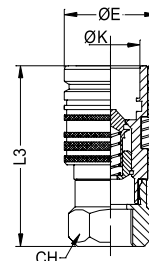
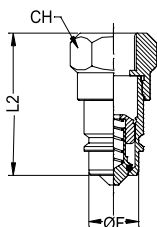
Back-up-ring: In PTFE, TEFLON®.

Springs: Manufactured in DIN 17223/84(B) steel.

Balls: AISI 1010/1015.

MALE	MALE CODE	THREAD	Max. Working Pressure	ØF	CH	L2	L3	ØE	ØK	FEMALE CODE	FEMALE
				mm	mm	mm	mm	mm	mm		

		3/8 BSP	250 BAR				74	37.8	23.8	QRCPP08-06FBF	
	QRP08-FBF	1/2" BSP	250 Bar	20.5	30	58	74	37.8	23.8	QRCPP08-FBF	
	QRP08-22X1.5	M22 X 1.5	250 Bar	20.5	30	58	74	37.8	23.8	QRCPP08-22X1.5	

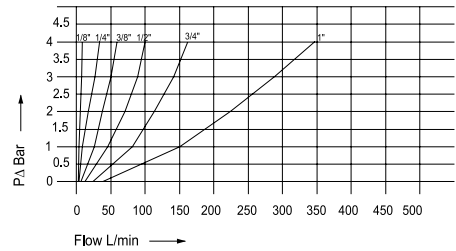


ISO B SERIES



Working temperature:
-25° a +125° with NBR seals.

Applications:
The ISO B couplings have been designed for oil hydraulic applications, and meet the requirements of European directive 97.23.EC.



Interchangeable with:
FASTER H
AEROQUIP FD45
PARKER 60
SNAP-TITE 72

Material: Manufactured in EN10277-3 carbon steel, with all of the components that require it being subjected to a hardness process. The AISI 316 EN10088-3 as well as DIN-EN 12164 brass versions are also available.

Surface finishing: Yellow Dichromated, the carbon steel version.

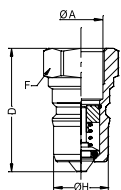
Seals: NBR Seals for the Carbon Steel version, Viton® for Brass and AISI 316 version.

Back-up-ring: In PTFE, TEFLON®.

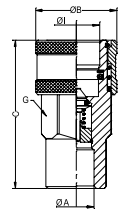
Springs: Manufactured in DIN 17223/84(B) steel for the carbon steel version and Stainless steel AISI 302 DIN 17224 for the Brass and AISI 316 versions.

Balls: AISI 1010/1015 (Carbon steel version) and AISI 316 W. 14401 (Brass and AISI 316).

MALE	SIZE	MALE CODE	Max. Working Pressure Carbon Steel	THREAD	ØA	D	H	F	ØI	ØB	C	G	FEMALE CODE	FEMALE
						mm	mm	mm	mm	mm	mm	mm		



1/4"	QBP04-FBF	350 Bar	BSP	1/4"	36	14.15	19	15.75	27	57.7	22	QBC04-FBF	
3/8"	QBP06-FBF	300 Bar	BSP	3/8"	40.5	19.10	24	20.25	35	65.6	27	QBC06-FBF	
1/2"	QBP08-FBF	280 Bar	BSP	1/2"	46	23.55	27	25.8	42	74	27	QBC08-FBF	
3/4"	QBP12-FBF	180 Bar	BSP	3/4"	56	31.40	36	32.90	52	90	41	QBC12-FBF	
1"	QBP16-FBF	150 Bar	BSP	1"	63	37.75	41	40.7	60	103	50	QBC16-FBF	



The quick couplings of the ISO B Series have been designed in accordance with the ISO 7241-B rule. Both feature a poppet valve.

For the 1/4" version they are available plastic plugs and plastic caps, to protect the couplings during the disconnection.

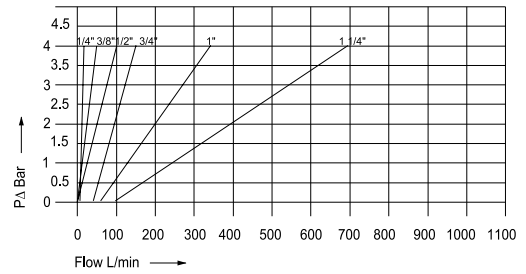
Manufactured with BSP female threads according to the DIN/ISO 228 rul.

DIN /DIA SERIES



Working temperature:
-25° a +125° with NBR seals.

Applications:
The DIN / DIA couplings have been designed for oil hydraulic applications, and meet the requirements of European directive 97.23.EC.



Interchangeable with:
FASTER NV - NS
AEROQUIP FD76
PARKER 4000
SNAP-TITE 60

Material: Made in EN10277-3 carbon steel, with all of the components that require it being subjected to a hardness process.

Surface finishing: Yellow Dichromated

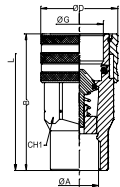
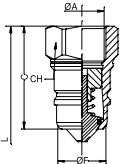
Seals: Standard, in NBR. Different seals types can be supplied by order.

Back-up-ring: In PTFE, TEFLON®.

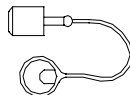
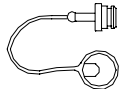
Springs: Manufactured in DIN 17223/84(B) steel.

Balls: AISI 1010/1015.

MALE	SIZE	MALE CODE	THREAD	Max. Working Pressure	ØA	C	CH	L	ØF	ØD	B	ØG	CH1	FEMALE CODE	FEMALE
						mm	mm	mm	mm	mm	mm	mm	mm		
	1/4"	QVP04-FBF	BSP	350 Bar	1/4"	36	19	72	14.2	27	53.5	17	22	QVC04-FBF	
	3/8"	QVP06-FBF	BSP	300 Bar	3/8"	40.5	24	81	18.95	34	61	21.6	27	QVC06-FBF	
	1/2"	QRP08-FBF	BSP	300 Bar	1/2"	46	27	87.5	20.5	38	63.5	23.8	30	QRC08-FBF	
	3/4"	QVP12-FBD	BSP	250 Bar	3/4"	56	36	112	27.95	48	85	31.1	38	QVC12-FBF	
	1"	QVP16-FBF	BSP	220 Bar	1"	63	41	126	31.3	55	96.5	34.6	46	QVC16-FBF	



PLUG	CODE	SIZE	CODE	CAP
	QRC06DC	1/4"	QRP04DC	
	QRC08DC	3/8"	QRP06DC	
	QRC08DC	1/2"	QRP08DC	
	QRC12DC	3/4"	QRP12DC	
	QRC16DC	1"	QRP16DC	



The DIN Series quick couplings have been designed in accordance with the requirements of the ISO 5675 rule. The _" version also meets the specifications of the ISO 7241-A rule.

Both parts feature a cut-off valve, also available with ball lock.

Designed chiefly for agricultural and industrial sectors.

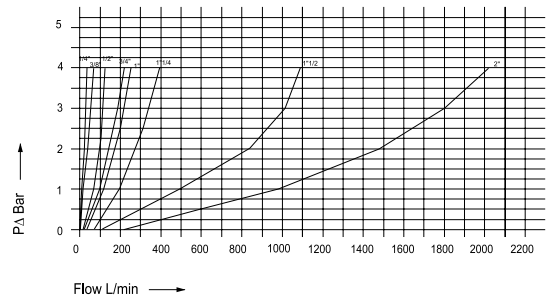
Manufactured with BSP female threads according to the DIN/ISO 228 ru.

LANDBOUW FLAT FACED ISO-16028



Working temperature:
-25° a +125° with NBR seals.

Applications:
The Flat faced couplings have been designed for oil hydraulic applications, and meet the requirements of European directive 97.23.EC.



Material: Made in EN10277-3 carbon steel, with all of the components that require it being subjected to a hardness process.

Surface finishing: Yellow Dichromated

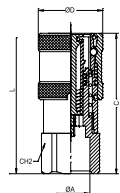
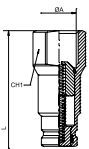
Seals: Standard, in NBR. Different seals types can be supplied by order.

Back-up-ring: In PTFE, TEFLON®.

Springs: Manufactured in DIN 17223/84(B) steel.

Balls: AISI 1010/1015.

MALE	SIZE	MALE CODE	THREAD	Max. Working Pressure	ØA	ØD	CH1	CH2	C	L	FEMALE CODE	FEMALE
								mm	mm	mm		
	1/4"	FFP04-04FBF	BSP	200 Bar	1/4"	27	22	22	52.5	96	FFC04-04FBF	
	3/8"	FFP06-06FBF	BSP	250 Bar	3/8"	32	27	27	68	116	FFC06-06FBF	
	1/2"	FFP06-08FBF	BSP	250 Bar	1/2"	32	27	27	73	125	FFC06-08FBF	
	3/4"	FFP08-12FBF	BSP	200 Bar	3/4"	38	36	36	84	137	FFC08-12FBF	
	1"	FFP12-16FBF	BSP	200 Bar	1"	48	46	46	87.5	146	FFC12-16FBF	



Both parts feature an internal flat valve system that guarantees a total lack of oil leaks during their connection and disconnection.

Conceived for the public works industrial and machinery sectors.

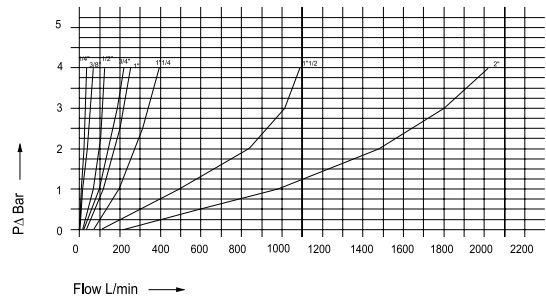
Manufactured with BSP female threads according to the DIN/ISO 228 rule B 2.1.

HOGE DRUK FLAT FACED



Working temperature:
-25° a +125° with NBR seals.

Applications:
The Flat faced couplings have been designed for oil hydraulic applications, and meet the requirements of European directive 97.23.EC.



Interchangeable with:
FASTER 2FFI
AEROQUIP FD89
PARKER FEM
SNAP-TITE 74

Material: Made in EN10277-3 carbon steel, with all of the components that require it being subjected to a hardness process.

Surface finishing: Yellow Dichromated

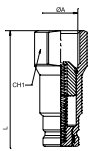
Seals: Standard, in NBR. Different seals types can be supplied by order.

Back-up-ring: In PTFE, TEFLON®.

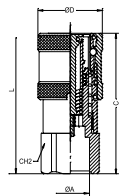
Springs: Manufactured in DIN 17223/84(B) steel.

Balls: AISI 1010/1015.

MALE	SIZE	MALE CODE	THREAD	Max. Working Pressure	ØA	ØD	CH1	CH2	C	L	FEMALE CODE	FEMALE
								mm	mm	mm		



1/4"	HFFP04-04FBF	BSP	300 Bar	1/4"	28	22	22	48	48	HFFC04-04FBF	
3/8"	HFFP06-06FBF	BSP	300 Bar	3/8"	32	24	27	64.5	60	HFFC06-06FBF	
1/2"	HFFP06-08FBF	BSP	300 Bar	1/2"	32	27	27	69.5	62.5	HFFC06-08FBF	
3/4"	HFFP08-12FBF	BSP	250 Bar	3/4"	36	36	36	80.5	70.5	HFFC08-12FBF	
1"	HFFP12-16FBF	BSP	250 Bar	1"	45	45	45	92.5	82.5	HFFC12-16FBF	



The quick couplings of the Flat faced series are manufactured in accordance with the ISO 16028 rule requirements.

Both parts feature an internal flat valve system that guarantees a total lack of oil leaks during their connection and disconnection.

Conceived for the public works industrial and machinery sectors.

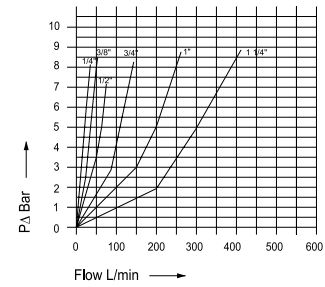
Manufactured with BSP female threads according to the DIN/ISO 228 rul.

SCHROEF SNELKOPPELINGEN



Working temperature:
-25° a +125° with NBR seals.

Applications:
The Screw couplings have been designed for oil hydraulic applications, and meet the requirements of European directive 97.23.EC.



Interchangeable with:
FASTER CCV
VOSWINKEL HS

Material: Made in EN10277-3 carbon steel, with all of the components that require it being subjected to a hardness process.

Surface finishing: Yellow Dichromated

Seals: Standard, in NBR. Different seals types can be supplied by order.

Back-up-ring: In PTFE, TEFLON®.

Springs: Manufactured in DIN 17223/84(B) steel.

MALE	SIZE	MALE CODE	THREAD	Max. Working Pressure	ØA	FEMALE CODE	FEMALE
	2	SKM206F	BSP	450 Bar	3/8"	SKF206F	
	3	SKM306F	BSP	400 Bar	3/8"	SKF306F	
	3	SKM308F	BSP	400 Bar	1/2"	SKF308F	
	4	SKM412F	BSP	400 Bar	3/4"	SKF412F	
	6	SKM612F	BSP	400 Bar	3/4"	SKF612F	
	6	SKM616F	BSP	300 Bar	1"	SKF616F	

PLUG	CODE	CODE	CAP
	TSKM03	TSKF03	
	TSKM04	TSKF04	
	TSKM06	TSKF06	

As per their studied design for works at high pressures, the screw series are suitable for applications in public works machinery, lorries, as well for agricultural machinery.

These couplings enable connection and disconnection with low pressure in the circuit, and their connection with threads prevents possible disconnections due to vibrations in the circuit.

Likewise, to protect the threads during disconnection, GSS offer plastic caps and plugs.

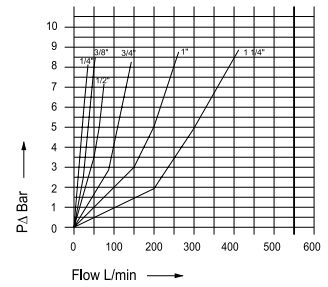
Manufactured with BSP female threads according to the DIN/ISO 228 rule.

SCHROEF SNELKOPPELINGEN PIJPOPNAME



Working temperature:
-25° a +125° with NBR seals.

Applications:
The Screw couplings have been designed for oil hydraulic applications, and meet the requirements of European directive 97.23.EC.



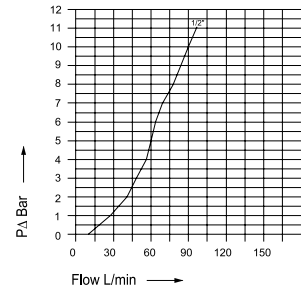
MALE	SIZE	MALE CODE		Max. Working Pressure		FEMALE CODE	FEMALE
	3	SKM314ML	8L	450 Bar		SKF314ML	
	3	SKM316ML	10L	400 Bar		SKF316ML	
	3	SKM318ML	12L	400 Bar		SKF318ML	
	3	SKM322ML	15L	400 Bar		SKF322ML	
	6	SKM626ML	18L	300 Bar		SKF626ML	
	6	SKM630ML	22L	300 Bar		SKF630ML	
	6	SKM636ML	28L	300 Bar		SKF636ML	
	3	SKM316MS	8 S	450 Bar		SKF316MS	
	3	SKM318MS	10 S	400 Bar		SKF318MS	
	3	SKM320MS	12 S	400 Bar		SKF320MS	
	3	SKM322MS	14 S	400 Bar		SKF322MS	
	3	SKM324MS	16 S	400 Bar		SKF324MS	
	6	SKM630MS	20 S	300 Bar		SKF630MS	
	6	SKM636MS	25 S	300 Bar		SKF636MS	
	6	SKM642MS	30 S	300 Bar		SKF642MS	
	6	SKM642MS-S	30S SCHOT	300 Bar		SKF642MS-S	

LANDBOUW REMKOPPELINGEN



Working temperature:
-25° a +125° with NBR seals.

Applications:
The IFR couplings have been designed for oil hydraulic applications, and meet the requirements of European directive 97.23.EC.



Interchangeable with:
FASTER VF
GROMELLE Q-9000

Material: Made in EN10277-3 carbon steel, with all of the components that require it being subjected to a hardness process.

Surface finishing: Yellow Dichromated

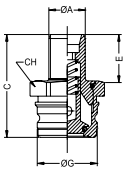
Seals: Standard, in NBR. Different seals types can be supplied by order.

Back-up-ring: In PTFE, TEFLON®.

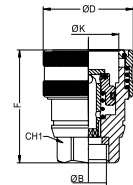
Springs: Manufactured in DIN 17223/84(B) steel.

Balls: AISI 1010/1015.

MALE	MALE CODE	Max. Working Pressure	ØA	C	CH	ØG	E	ØK	CH1	ØD	F	ØB	FEMALE CODE	FEMALE
				mm	mm	mm	mm	mm	mm	mm	mm	mm		



BCMA20ME12	150 Bar	M20 x 1.5	51	32	29.8	23	30	27	45	55	1/2" BSP	BCFA08FBF
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The quick couplings of the IFR Series meet the requirements of the ISO 5676 rule, as well as those of the ISO/TC23 and NFU 16006 rules.

Especially designed to connect the tractor and trailer braking system.

Both parts feature a flat-seated valve closure system, designed to prevent leaks during connection and disconnection.

The female component comes stock with the metallic parking plug and bulkhead nut in the available versions.

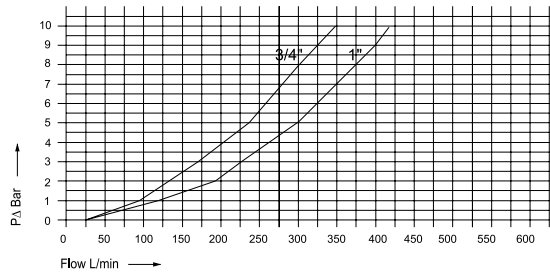
Manufactured with BSP female threads according to the DIN/ISO 228 rule, as well in metric threads according to the DIN2353 and DIN3852 rules, **other threads available by order.**

TRAILER SNELKOPPELINGEN



Working temperature:
-25° a +125° with NBR seals.

Applications:
The VCR Screw couplings have been designed for oil hydraulic applications, and meet the requirements of European directive 97.23.EC.



Interchangeable with:
FASTER CVE
EDBRO

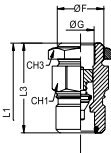
Material: Made in EN10277-3 carbon steel, with all of the components that require it being subjected to a hardness process.

Surface finishing: Yellow Dichromated

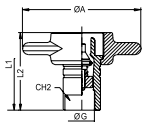
Seals: Standard, in NBR. Different seals types can be supplied by order.

Springs: Manufactured in DIN 17223/84(B) steel.

MALE	SIZE	MALE CODE	THREAD	DN	Max. Working Pressure	ØG	CH1	CH3	L1	L3	ØF	ØA	CH2	L2	FEMALE CODE	FEMALE
							mm	mm	mm	mm	mm		mm	mm		



3/4"	301.3124	BSP	16	250 Bar	3/4"	46	50	132.5	78	1 1/4" BSP	110	33	77	301.3104	
1"	301.3125	BSP	20	230 Bar	1"	55	60	145	83	1 1/4" BSP	110	40	83	301.3105	



METAL PLUG	METAL CAP	PARKING (Unplated)	CODE	SIZE	
			Plug	301.3154	3/4"
			Plug	301.3155	1"
			Cap	301.3134	3/4"
			Cap	301.3135	1"
			Parking	301.3144	3/4"
			Parking	301.3145	1"

The VCR series was specifically conceived for application in lorry trailers, now making it the most-widely used coupling among European manufacturers thanks to its excellent features, reinforced design and reduced pressure drop.

Likewise, for the protection of threads during disconnection, Inteva makes metal caps, metal plugs and metal parking.

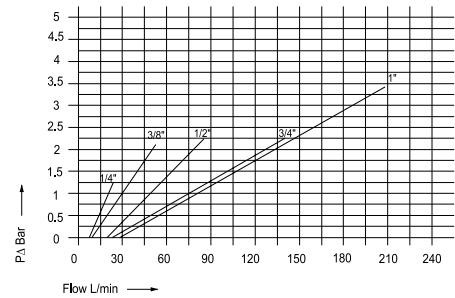
Manufactured with BSP female threads according to the DIN/ISO 228 rule, **other threads available by order.**

SLANGBREUK BEVEILIGERS



Working temperature:
-25° a +125° with NBR seals.

Applications:
The VPC valves couplings have been designed for oil hydraulic applications, and meet the requirements of European directive 97.23.EC.

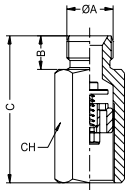


Material: Made in EN10277-3 carbon steel, with all of the components that require it being subjected to a hardness process.

Surface finishing: Yellow Dichromated

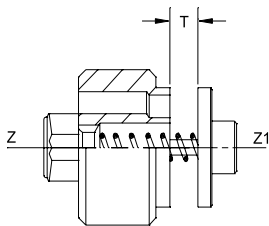
Springs: Manufactured in DIN 17223/84(B) steel.

MALE - FEMALE	SIZE	CODE	THREAD	Max. Working Pressure	ØA	C	CH	B
						mm	mm	mm



1/4"	VPC-1/4	BSP	350 Bar	1/4"	50	19	12
3/8"	VPC-3/8	BSP	350 Bar	3/8"	58	22	12
1/2"	VPC-1/2	BSP	350 Bar	1/2"	70	27	14
3/4"	VPC-3/4	BSP	350 Bar	3/4"	78	36	16
1"	VPC-1	BSP	350 Bar	1"	4sp	46	1 8

7



OPERATION

When in normal position the disc is driven by the spring, allowing the passage of fluid from Z to Z1. In normal conditions, there is free return of fluid to the tank from Z1 to Z. When the passage of fluid from Z1 to Z increases, and exceeds the reaction flow, the disc blocks the return to the tank, thus preventing uncontrolled descent. T allows the user to adjust the reaction flow according to the specific needs of the component featuring this safety valve.

The VPC-series safety valves have been designed for installation in oil hydraulic circuits as a security measure in case of hose breakage and a consequent pressure drop in the circuit.

Their internal system prevents uncontrolled load reduction. Customers can adjust to allow for total blocking of the load or a slow, controlled descent, thus preventing possible accidents.

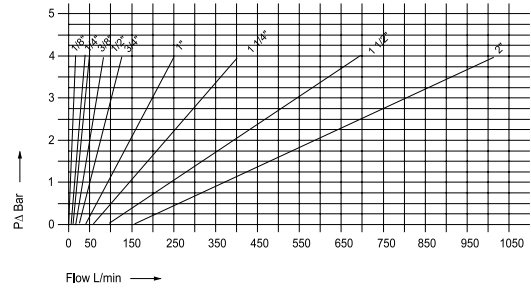
Manufactured with BSP female threads according to the DIN/ISO 228 rule.

TERUGSLAGKLEP



Working temperature:
-25° a +125° with NBR seals.

Applications:
The VPC valves couplings have been designed for oil hydraulic applications, and meet the requirements of European directive 97.23.EC.



Interchangeable with:
GROMELLE 4000
SNAP-TITE CPIFF
PARKER DC
MHA ZENTGRAF RV
DMIC CVH

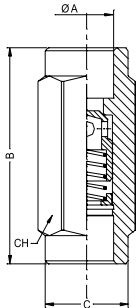
Material: Made in EN10277-3 carbon steel, with all of the components that require it being subjected to a hardness process.

Surface finishing: Yellow Dichromated

Poppet Valve: Made in EN10277-3 Carbon Steel, subjected to a hardness process and a final process of rectification.

Springs: Manufactured in DIN 17223/84(B) steel.

MALE - FEMALE	SIZE	CODE	CODE	THREAD	DN	Max. Working Pressure	ØA	B	C	CH
								mm	mm	mm
	1/8"	301.0700	ATR-1/8	BSP	4	300 Bar	1/8"	44	13.5	14
	1/4"	301.0701	ATR-1/4	BSP	6.3	300 Bar	1/4"	56	18.5	19
	3/8"	301.0702	ATR-3/8	BSP	10	300 Bar	3/8"	70	21.5	24
	1/2"	301.0703	ATR-1/2	BSP	12	300 Bar	1/2"	77	29.5	30
	3/4"	301.0704	ATR-3/4	BSP	20	300 Bar	3/4"	90	35	36
	1"	301.0705	ATR-1	BSP	25	300 Bar	1"	106	44.5	46
	1 1/4"	301.0706	ATR-1-1/4	BSP	31.5	300 Bar	1 1/4"	125	54	55
	1 1/2"	301.0707	ATR-1-1/2	BSP	40	300 Bar	1 1/2"	140	64	65
	2"	301.0708	ATR-2	BSP	50	200 Bar	2"	160	74	75



The ATR series check valves have been designed to prevent fluid return in the circuit, only allowing passage in a single direction.

Internal valves with metal by metal closing system, making them highly resistant to stress during pressure peaks.

Stock manufactured with female – female threads. But male – female or male – male outlets can also be manufactured by order. Standard parts have 5psi opening pressure. Other opening pressures can be special-ordered according to each application's specific needs.

Manufactured with BSP female threads according to the DIN/ISO 228

