Winner

CERTYFIKACJA SYSTEMU JAKOŚCI
DNV·GL
ISO 9001

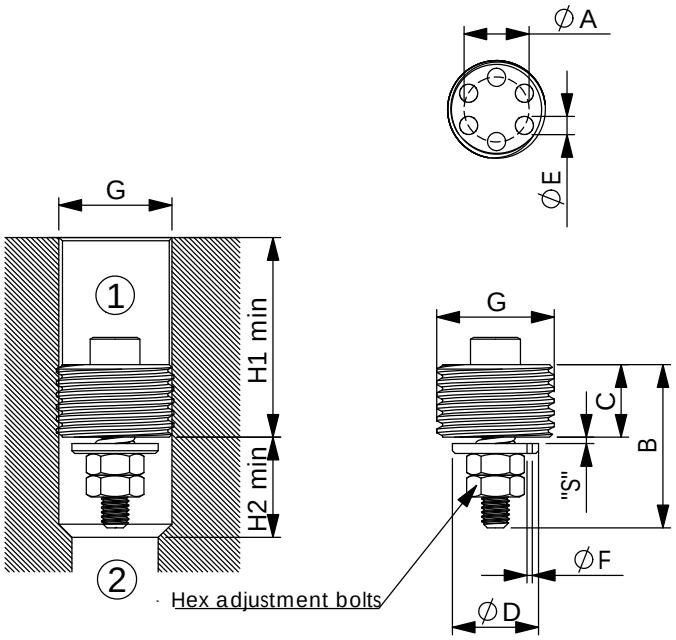
ZAWORY NABOJOWE

Hose Burst Protection Insert-Type

HYDROPRESS®
hydraulika siłowa

HOSE BURST PROTECTION VALVES
INSERT-TYPE

Ordering Code:	**HB-G02-Y-Z**	

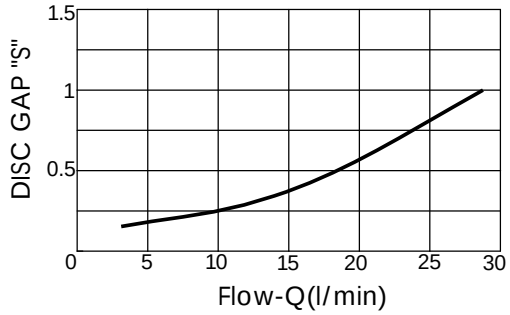


UNIT:mm

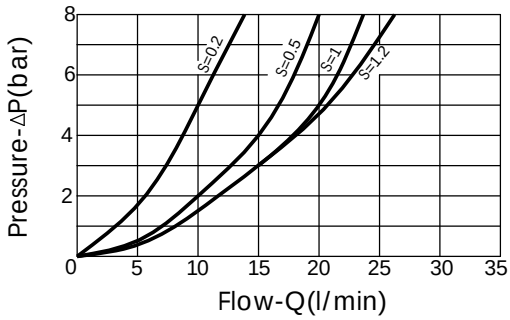
X=	G	A	B	C	D	E	F	H1	H2	Hex
G02	G 1/4"	8.5	18	8	9.5	2.4	on request	25	11	5.5

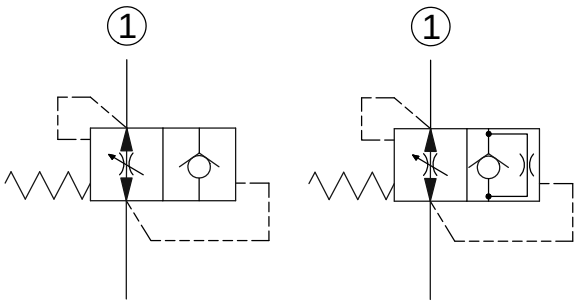
The valve is only supposed to be operated in case of hose failure. In the case of a hose failure, flow increases across the valve until the maximum safe limit is reached at which point the valve will close. The "S" gap must be adjusted to allow a flow at least 50% over the nominal regulated flow from the actuator. These valves can be supplied (on reguest) with an orifice on the disc, allowing an emergency lowering of load. It is recommended to fit a flow regulator valve downstream the hose burst valve, at the end of the flexible hose, to control the lowering speed at the nominal value.

Performance curves R/flow (allowance can be ±10% from the curve)
After assembling the valves are preadjustated at the following valves
"S"= 0.7 mm



Flow performance from ① to ② depending on S-lenght





TECHNICAL DATA

Max. pressure: 350 bar

Flow: see below graphs ("S"-Q)

Special flow settings are available. Please contact factory authorized representative for ordering code.

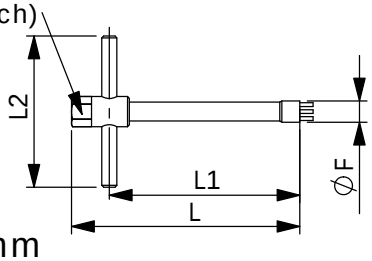
Weight	Flow		TIGHTENING TORQUE Cartridge
kg	min	max	Nm
0.007	4	25	2±1

Y	OPERATION	
20	Standard Type	

Z	ORIFICE DIAMETER (mm)				
00	no orifice		10	1	
03	0.3		12	1.2	
05	0.5		13	1.3	
06	0.6		15	1.5	
07	0.7		19	1.9	
08	0.8		20	2.0	
09	0.9				

FITTING TOOL DIMENSION

14.0 Hex.
(9/16 inch)

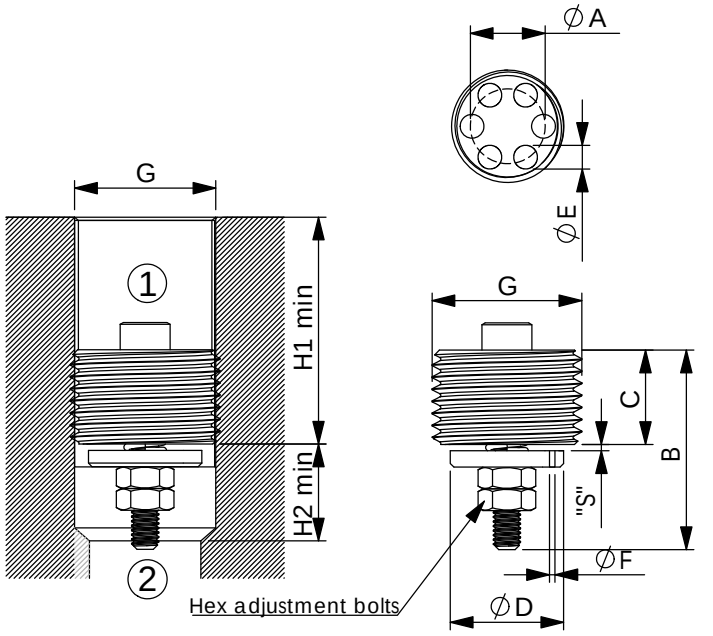


UNIT:mm

F	L	L1	L2	Tool's ordering code
11.3	120	110	60	HBG02-T

HOSE BURST PROTECTION VALVES
INSERT-TYPE

Ordering Code:	**HB-G03-Y-Z**	

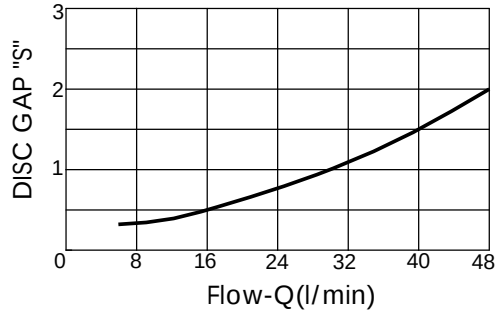


UNIT:mm

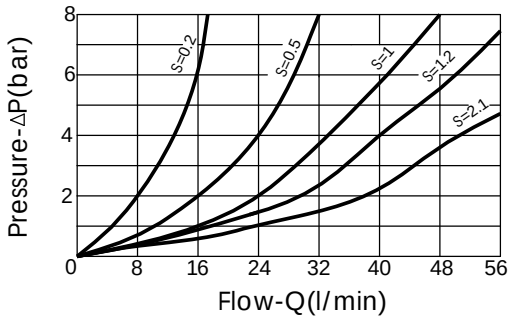
X=	G	A	B	C	D	E	F	H1	H2	Hex
G03	G 3/8"	10.5	20	10.5	12.5	3.5	on request	26	11	5.5

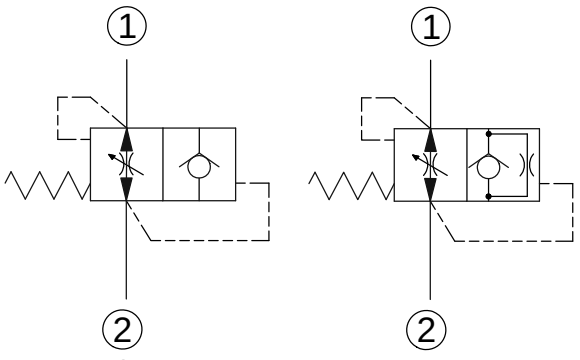
The valve is only supposed to be operated in case of hose failure. In the case of a hose failure, flow increases across the valve until the maximum safe limit is reached at which point the valve will close. The "S" gap must be adjusted to allow a flow at least 50% over the nominal regulated flow from the actuator. These valves can be supplied (on reguest) with an orifice on the disc, allowing an emergency lowering of load. It is recommended to fit a flow regulator valve downstream the hose burst valve, at the end of the flexible hose, to control the lowering speed at the nominal value.

Performance curves R/flow (allowance can be ±10% from the curve)
After assembling the valves are preadjustated at the following valves
"S"= 2.0 mm



Flow performance from ① to ② depending on S-lenght





TECHNICAL DATA

Max. pressure: 350 bar

Flow: see below graphs ("S"-Q)

Special flow settings are available.
Please contact factory authorized representative for ordering code.

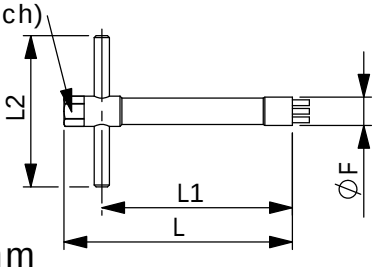
Weight kg	Flow min	Flow max	TIGHTENING TORQUE Cartridge Nm
0.010	6	50	3±1

Y	OPERATION	
20	Standard Type	

Z	ORIFICE DIAMETER (mm)				
00	no orifice		10	1	
05	0.5		12	1.2	
06	0.6		13	1.3	
07	0.7		15	1.5	
08	0.8		19	1.9	
09	0.9		20	2.0	

FITTING TOOL DIMENSION

14.0 Hex.
(9/16 inch)

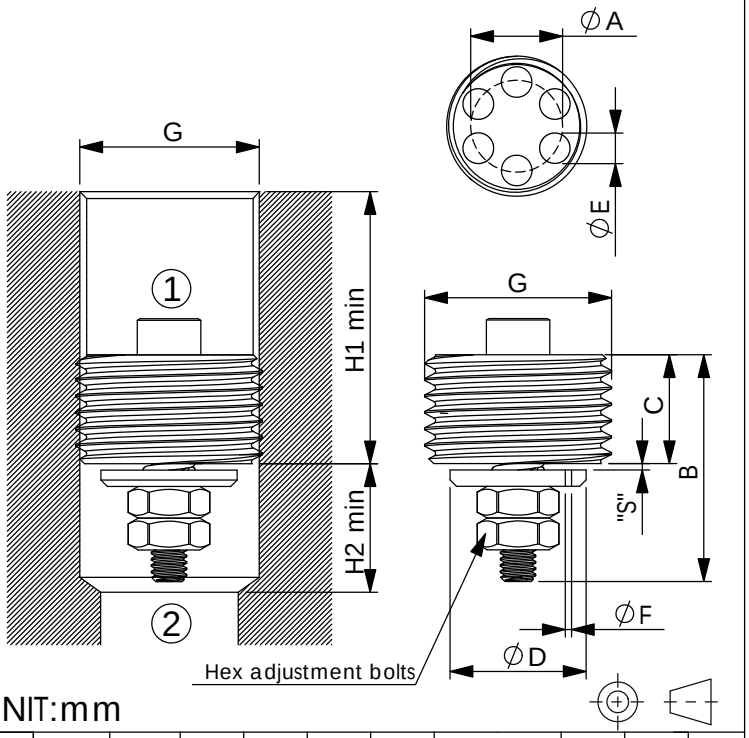


UNIT:mm

F	L	L1	L2	Tool's ordering code
15	120	108	80	HBG03-T

HOSE BURST PROTECTION VALVES
INSERT-TYPE

Ordering Code:	**HB-G04-Y-Z**	

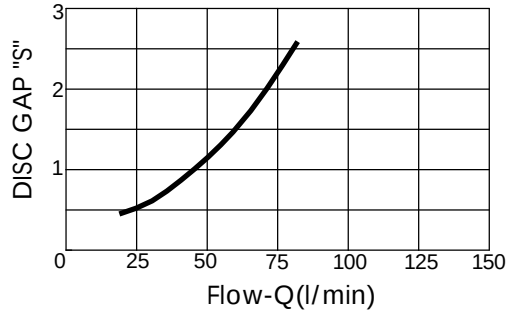


UNIT:mm

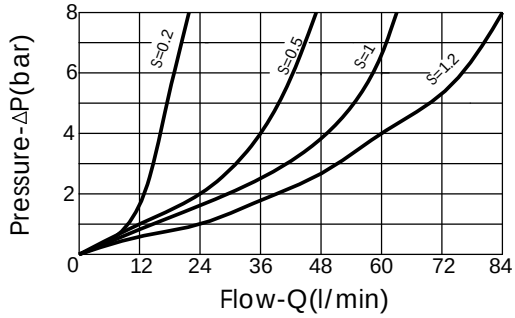
X=	G	A	B	C	D	E	F	H1	H2	Hex
G04	G 1/2"	13	25	12	15	4.5	on request	30	15	7

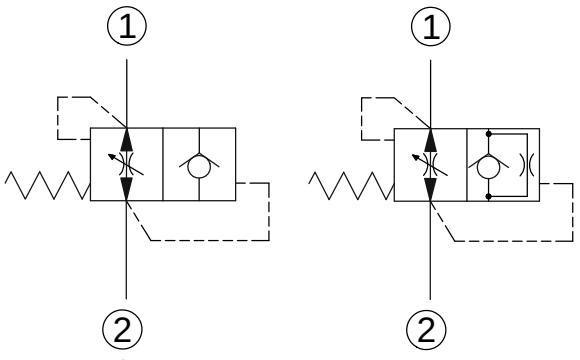
The valve is only supposed to be operated in case of hose failure. In the case of a hose failure, flow increases across the valve until the maximum safe limit is reached at which point the valve will close. The "S" gap must be adjusted to allow a flow at least 50% over the nominal regulated flow from the actuator. These valves can be supplied (on reguest) with an orifice on the disc, allowing an emergency lowering of load. It is recommended to fit a flow regulator valve downstream the hose burst valve, at the end of the flexible hose, to control the lowering speed at the nominal value.

Performance curves R/flow (allowance can be ±10% from the curve)
After assembling the valves are preadjustated at the following valves
"S"= 2.5 mm



Flow performance from ① to ② depending on S-lenght





TECHNICAL DATA

Max. pressure: 350 bar

Flow: see below graphs ("S"-Q)

Special flow settings are available.
Please contact factory authorized representative for ordering code.

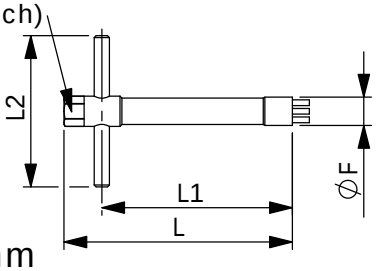
Weight	Flow		TIGHTENING TORQUE Cartridge
kg	min	max	Nm
0.025	16	80	3±1

Y	OPERATION	
20	Standard Type	

Z	ORIFICE DIAMETER (mm)				
00	no orifice		10	1	
05	0.5		12	1.2	
06	0.6		13	1.3	
07	0.7		15	1.5	
08	0.8		19	1.9	
09	0.9		20	2.0	

FITTING TOOL DIMENSION

14.0 Hex.
(9/16 inch)

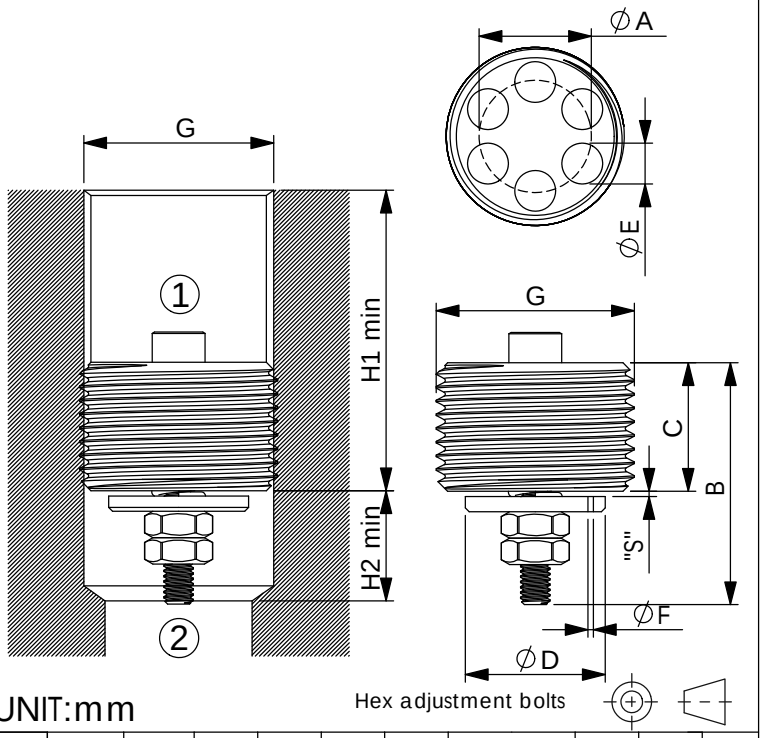


UNIT:mm

F	L	L1	L2	Tool's ordering code
18.8	120	108	80	HBG04-T

HOSE BURST PROTECTION VALVES
INSERT-TYPE

Ordering Code:	**HB-G06-Y-Z**	

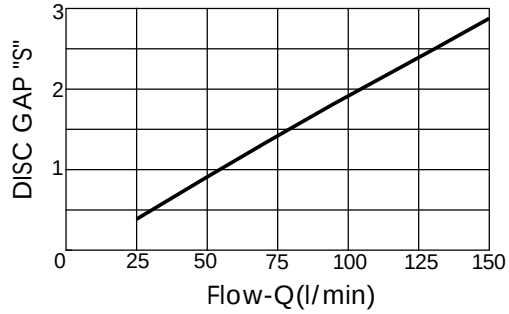


UNIT:mm

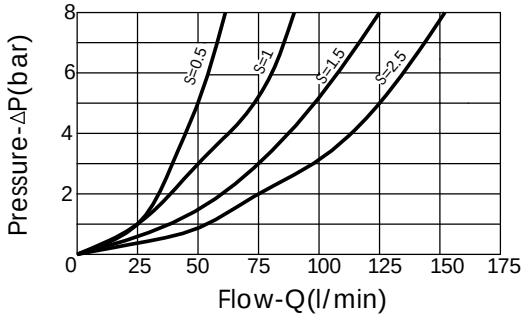
X=	G	A	B	C	D	E	F	H1	H2	Hex
G06	G 3/4"	16	30	17	18	6	on request	38	16	7

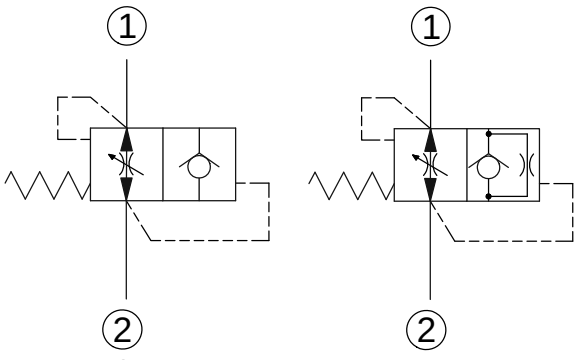
The valve is only supposed to be operated in case of hose failure. In the case of a hose failure, flow increases across the valve until the maximum safe limit is reached at which point the valve will close. The "S" gap must be adjusted to allow a flow at least 50% over the nominal regulated flow from the actuator. These valves can be supplied (on reguest) with an orifice on the disc, allowing an emergency lowering of load. It is recommended to fit a flow regulator valve downstream the hose burst valve, at the end of the flexible hose, to control the lowering speed at the nominal value.

Performance curves R/flow (allowance can be ±10% from the curve)
After assembling the valves are preadjustated at the following valves
"S"= 2.8 mm



Flow performance from ① to ② depending on S-lenght





TECHNICAL DATA

Max. pressure: 350 bar

Flow: see below graphs ("S"-Q)

Special flow settings are available. Please contact factory authorized representative for ordering code.

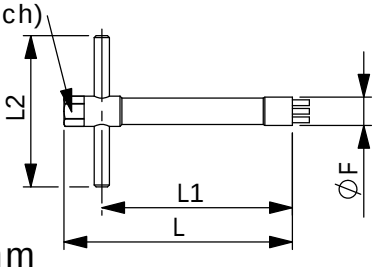
Weight	Flow		TIGHTENING TORQUE Cartridge
kg	min	max	Nm
0.048	25	150	3±1

Y	OPERATION
20	Standard Type

Z	ORIFICE DIAMETER (mm)				
00	no orifice		10	1	
05	0.5		12	1.2	
06	0.6		13	1.3	
07	0.7		15	1.5	
08	0.8		19	1.9	
09	0.9		20	2.0	

FITTING TOOL DIMENSION

14.0 Hex.
(9/16 inch)

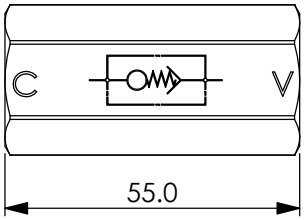


UNIT:mm

F	L	L1	L2	Tool's ordering code
24	120	108	80	HBG06-T

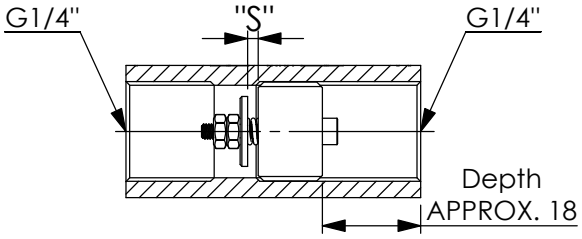
HOST BURST PROTECTION VALVES
INSERT-TYPE WITH FEMALE-FEMALE SLEEVE

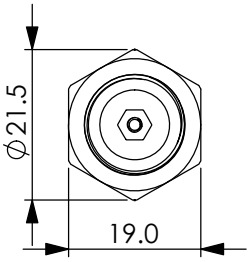
Ordering Code: **MEG02BG02B-HBZ**

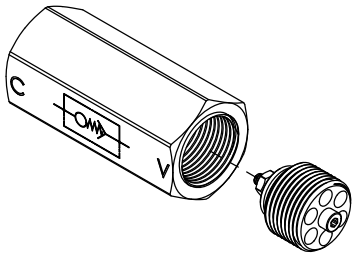


Direct Connecting to Cylinder

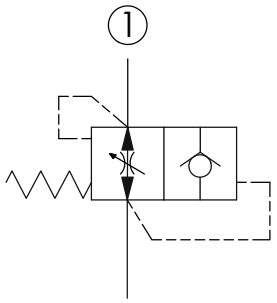
Connecting to Valve



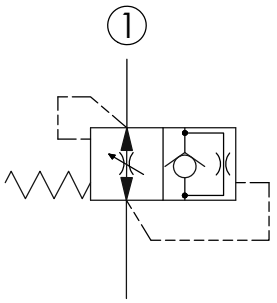




UNIT:mm



Hose burst check valve



Hose burst valve with orifice

TECHNICAL DATA

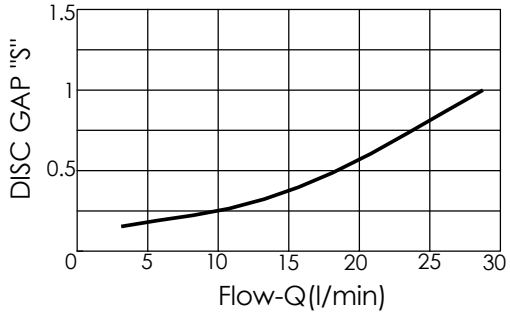
Max. pressure:	350	bar
Fluids-Temperatures:	-40 to 120	℃
Filtration:	25 μm nominal or better	

Weight	Flow		TIGHTENING TORQUE Cartridge
kg	min	max	Nm
0.082	4	25	2±1

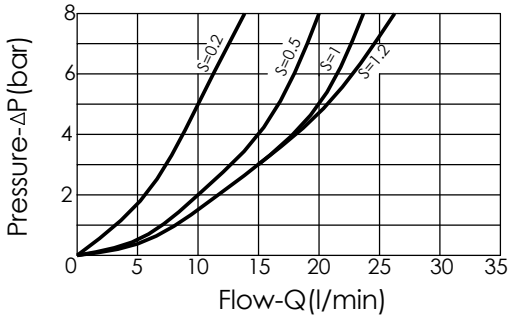
Z	ORIFICE DIAMETER (mm)				
00	no orifice		**10**	1	
03	0.3		**12**	1.2	
05	0.5		**13**	1.3	
06	0.6		**15**	1.5	
07	0.7		**19**	1.9	
08	0.8		**20**	2.0	
09	0.9				

Avaiable on request: orifice in the washer, ensuring a slow descent of the load with valve in closed position.
Orifice diameter has to be specified when ordering.

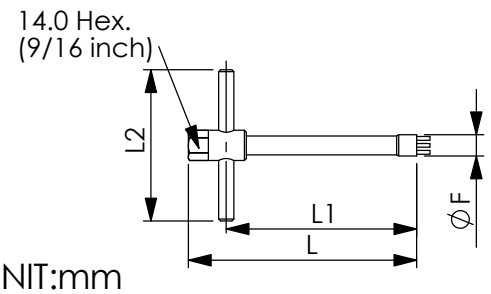
Performance curves R/flow (allowance can be ±10% from the curve)
After assembling the valves are preadjustated at the following valves "S"= 0.7 mm



Flow performance from ① to ② depending on S-lenght



FITTING TOOL DIMENSION

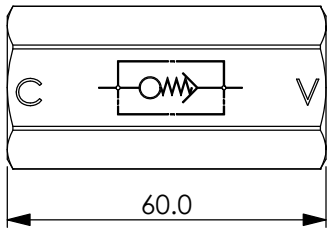


UNIT:mm

F	L	L1	L2	Tool's ordering code
11.3	120	110	60	HBG02-T

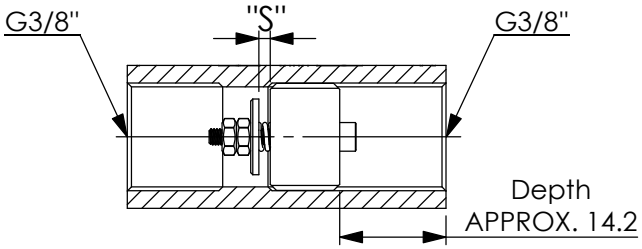
HOST BURST PROTECTION VALVES
INSERT-TYPE WITH FEMALE-FEMALE SLEEVE

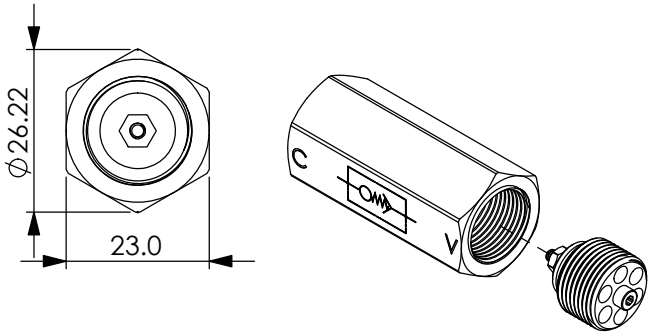
Ordering Code:	**MEG03BG03B-HBZ**



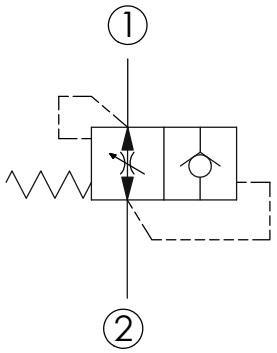
Direct Connecting to Cylinder

Connecting to Valve

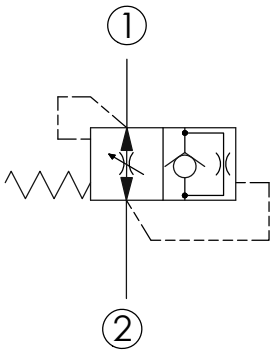




UNIT:mm



Hose burst check valve



Hose burst valve with orifice

TECHNICAL DATA

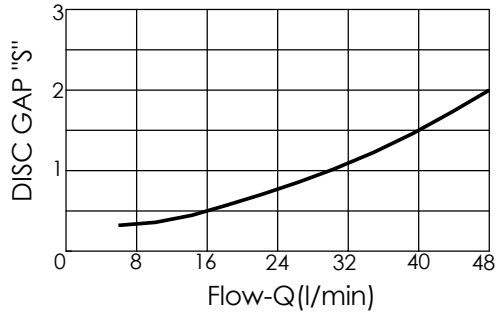
Max. pressure:	350	bar
Fluids-Temperatures:	-40 to 120	℃
Filtration:	25 μm nominal or better	

Weight	Flow		TIGHTENING TORQUE Cartridge
kg	min	max	Nm
0.122	6	50	3±1

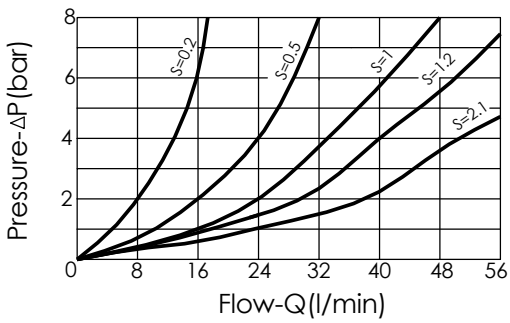
Z	ORIFICE DIAMETER (mm)				
00	no orifice		**10**	1	
05	0.5		**12**	1.2	
06	0.6		**13**	1.3	
07	0.7		**15**	1.5	
08	0.8		**19**	1.9	
09	0.9		**20**	2.0	

Avaiable on request: orifice in the washer, ensuring a slow descent of the load with valve in closed position.
Orifice diameter has to be specified when ordering.

Performance curves R/flow (allowance can be ±10% from the curve)
After assembling the valves are preadjustated at the following valves
"S"= 2.0 mm

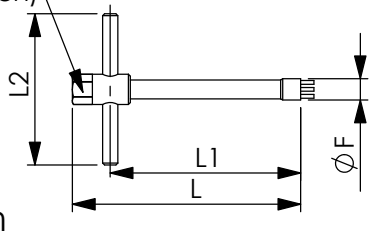


Flow performance from ① to ② depending on S-lenght



FITTING TOOL DIMENSION

14.0 Hex.
(9/16 inch)

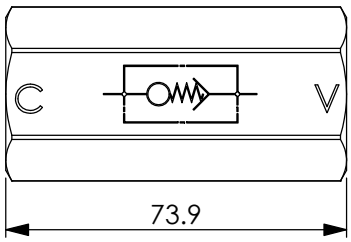


UNIT:mm

F	L	L1	L2	Tool's ordering code
15	120	108	80	HBG03-T

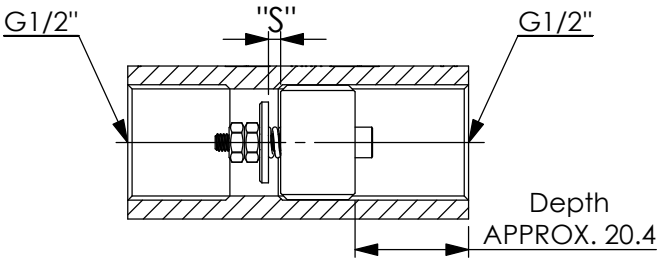
HOST BURST PROTECTION VALVES
INSERT-TYPE WITH FEMALE-FEMALE SLEEVE

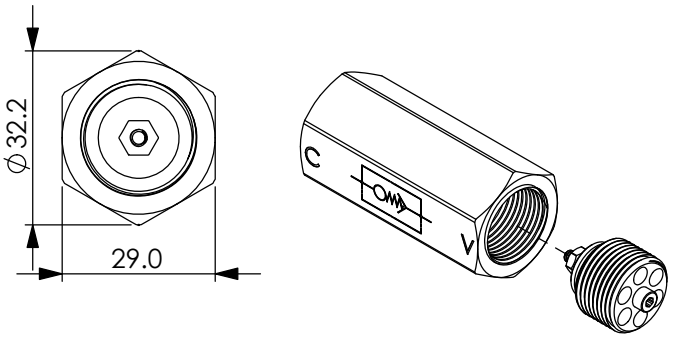
Ordering Code: **MEG04BG04B-HBZ**



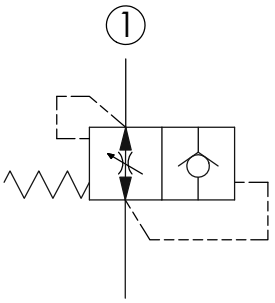
Direct Connecting to Cylinder

Connecting to Valve

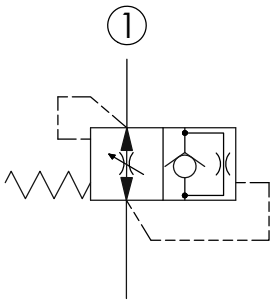




UNIT:mm



Hose burst check valve



Hose burst valve with orifice

TECHNICAL DATA

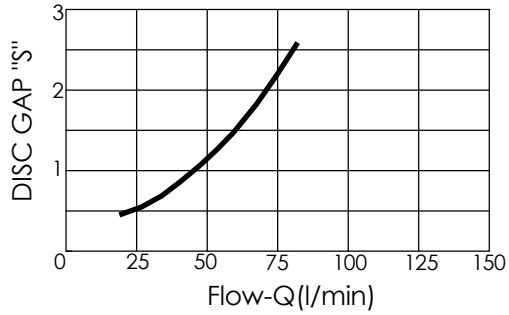
Max. pressure:	350	bar
Fluids-Temperatures:	-40 to 120	℃
Filtration:	25 μm nominal or better	

Weight	Flow		TIGHTENING TORQUE Cartridge
kg	min	max	Nm
0.241	16	80	3±1

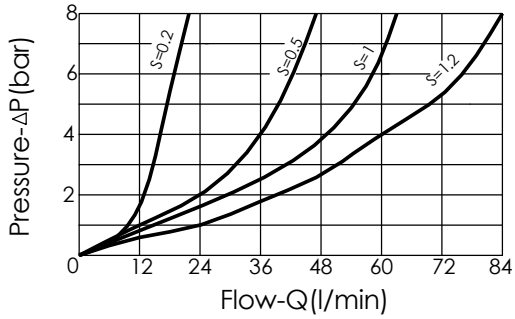
Z	ORIFICE DIAMETER (mm)				
00	no orifice		**10**	1	
05	0.5		**12**	1.2	
06	0.6		**13**	1.3	
07	0.7		**15**	1.5	
08	0.8		**19**	1.9	
09	0.9		**20**	2.0	

Avaiable on request: orifice in the washer, ensuring a slow descent of the load with valve in closed position.
Orifice diameter has to be specified when ordering.

Performance curves R/flow (allowance can be ±10% from the curve)
After assembling the valves are preadjustated at the following valves
"S"= 2.5 mm

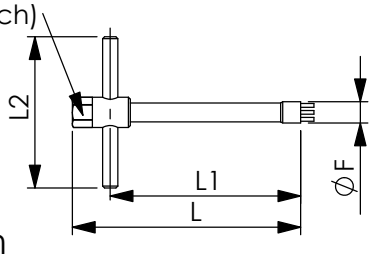


Flow performance from ① to ② depending on S-lenght



FITTING TOOL DIMENSION

14.0 Hex.
(9/16 inch)

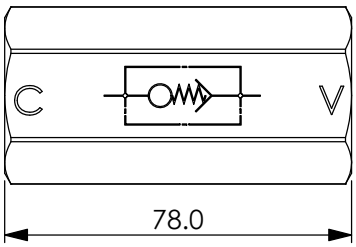


UNIT:mm

F	L	L1	L2	Tool's ordering code
18.8	120	108	80	HBG04-T

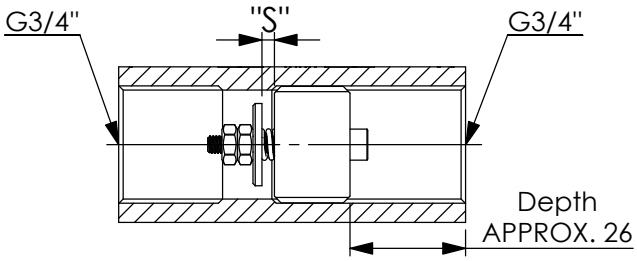
HOST BURST PROTECTION VALVES
INSERT-TYPE WITH FEMALE-FEMALE SLEEVE

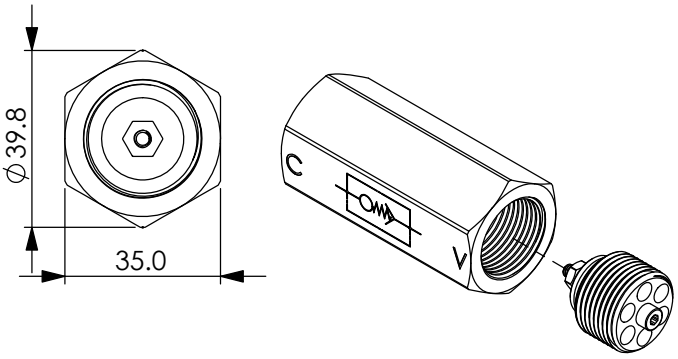
Ordering Code: **MEG06BG06B-HBZ**



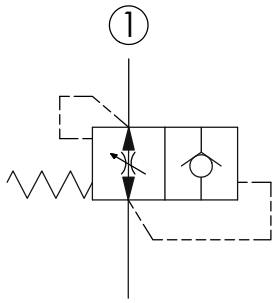
Direct Connecting to Cylinder

Connecting to Valve

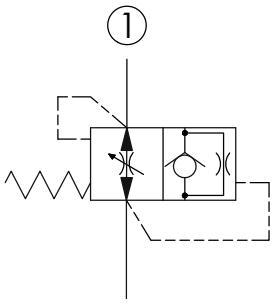




UNIT:mm



Hose burst check valve



Hose burst valve with orifice

TECHNICAL DATA

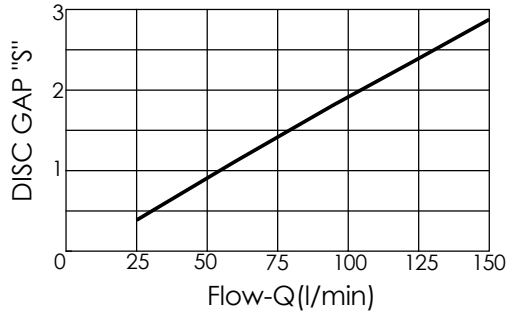
Max. pressure:	350	bar
Fluids-Temperatures:	-40 to 120	℃
Filtration:	25 μm nominal or better	

Weight	Flow		TIGHTENING TORQUE Cartridge
kg	min	max	Nm
0.335	25	150	3±1

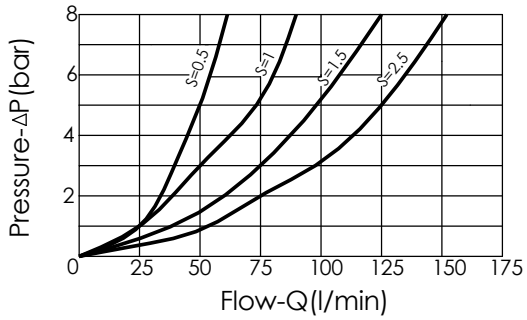
Z	ORIFICE DIAMETER (mm)				
00	no orifice		**10**	1	
05	0.5		**12**	1.2	
06	0.6		**13**	1.3	
07	0.7		**15**	1.5	
08	0.8		**19**	1.9	
09	0.9		**20**	2.0	

Avaiable on request: orifice in the washer, ensuring a slow descent of the load with valve in closed position.
Orifice diameter has to be specified when ordering.

Performance curves R/flow (allowance can be ±10% from the curve)
After assembling the valves are preadjustated at the following valves
"S"= 2.8 mm

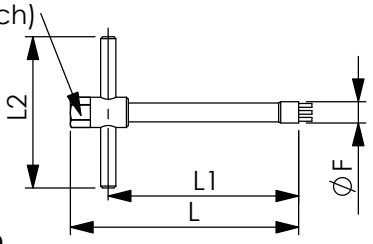


Flow performance from ① to ② depending on S-lenght



FITTING TOOL DIMENSION

14.0 Hex.
(9/16 inch)

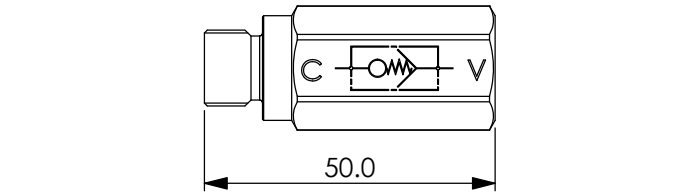


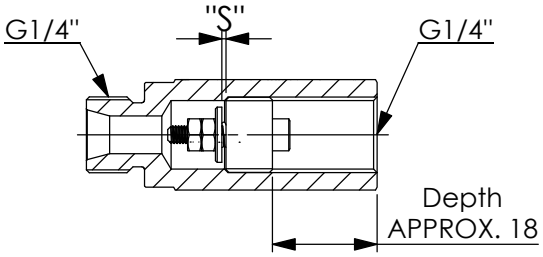
UNIT:mm

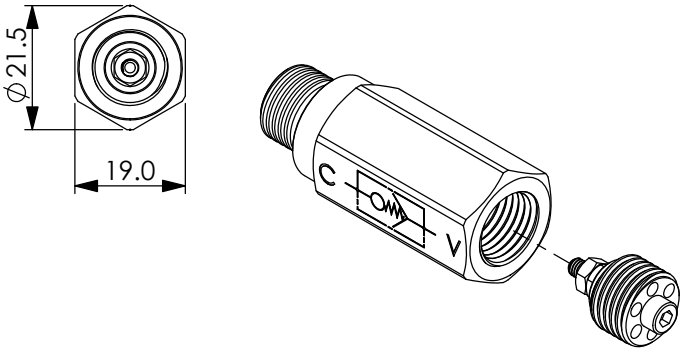
F	L	L1	L2	Tool's ordering code
24	120	108	80	HBG06-T

HOST BURST PROTECTION VALVES
INSERT-TYPE WITH MALE-FEMALE SLEEVE

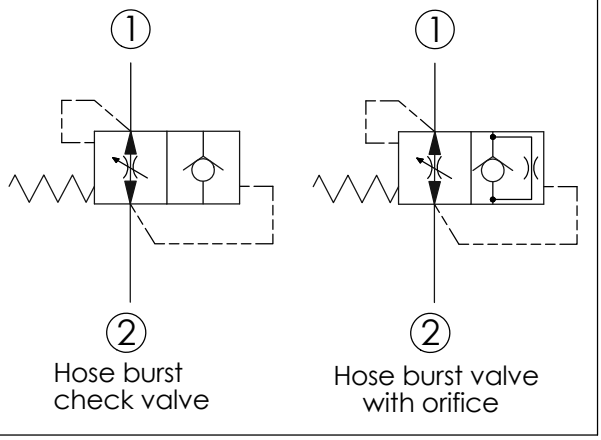
Ordering Code:	**MEG02BG02A-HBZ**







UNIT:mm



TECHNICAL DATA

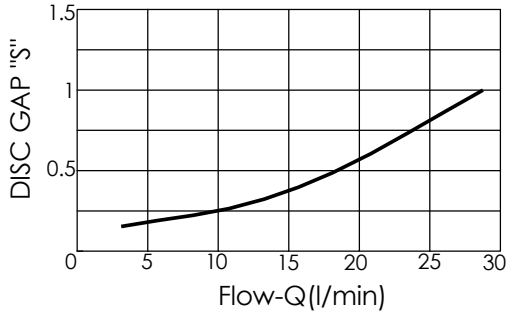
Max. pressure:	350	bar
Fluids-Temperatures:	-40 to 120	℃
Filtration:	25 μm nominal or better	

Weight	Flow		TIGHTENING TORQUE Cartridge
kg	min	max	Nm
0.072	4	25	2±1

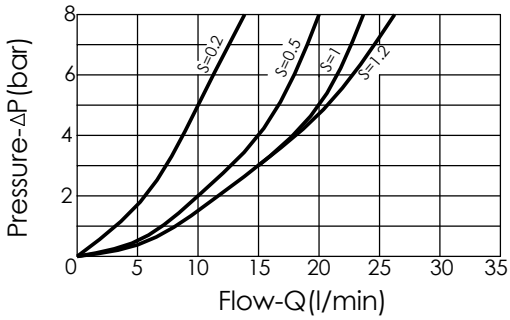
Z	ORIFICE DIAMETER (mm)				
00	no orifice		**10**	1	
03	0.3		**12**	1.2	
05	0.5		**13**	1.3	
06	0.6		**15**	1.5	
07	0.7		**19**	1.9	
08	0.8		**20**	2.0	
09	0.9				

Avaiable on request: orifice in the washer, ensuring a slow descent of the load with valve in closed position.
Orifice diameter has to be specified when ordering.

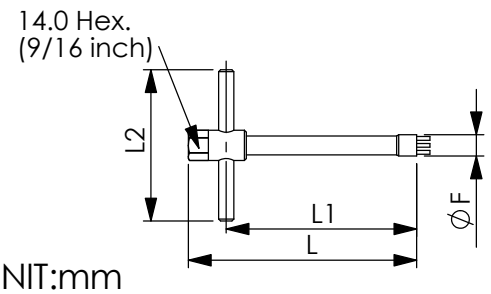
Performance curves R/flow (allowance can be ±10% from the curve)
After assembling the valves are preadjustated at the following valves "S"= 0.7 mm



Flow performance from ① to ② depending on S-lenght



FITTING TOOL DIMENSION

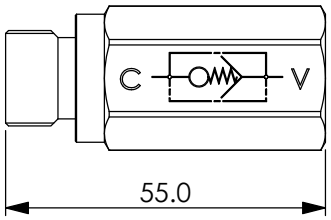


UNIT:mm

F	L	L1	L2	Tool's ordering code
11.3	120	110	60	HBG02-T

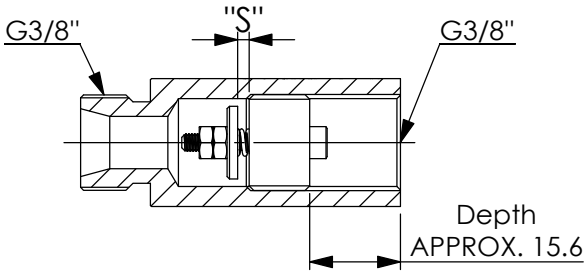
HOST BURST PROTECTION VALVES
INSERT-TYPE WITH MALE-FEMALE SLEEVE

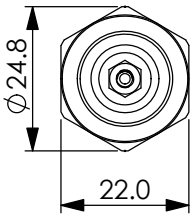
Ordering Code: **MEG03BG03A-HBZ**

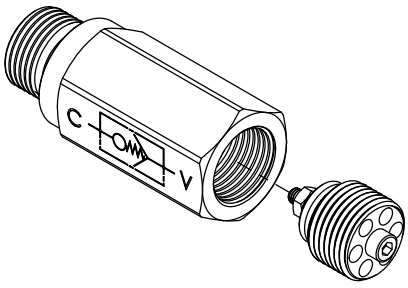


Direct Connecting to Cylinder

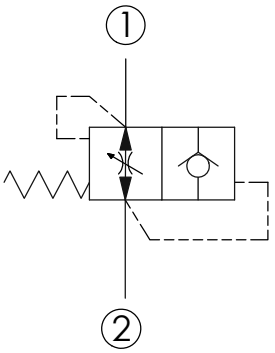
Connecting to Valve



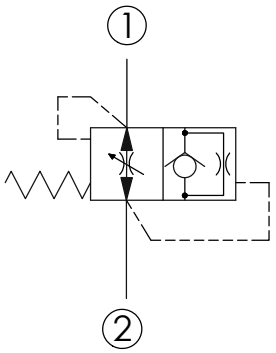




UNIT:mm



Hose burst check valve



Hose burst valve with orifice

TECHNICAL DATA

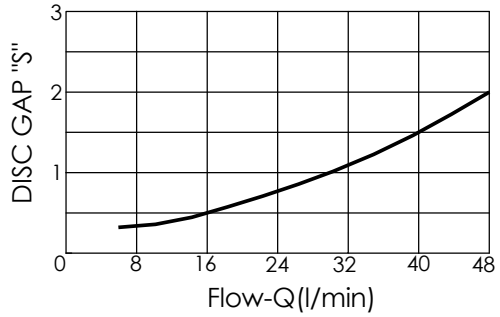
Max. pressure:	350	bar
Fluids-Temperatures:	-40 to 120	℃
Filtration:	25 μm nominal or better	

Weight	Flow		TIGHTENING TORQUE Cartridge
kg	min	max	Nm
0.098	6	50	3±1

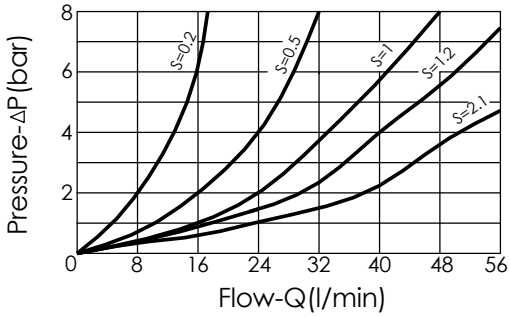
Z	ORIFICE DIAMETER (mm)				
00	no orifice		**10**	1	
05	0.5		**12**	1.2	
06	0.6		**13**	1.3	
07	0.7		**15**	1.5	
08	0.8		**19**	1.9	
09	0.9		**20**	2.0	

Avaiable on request: orifice in the washer, ensuring a slow descent of the load with valve in closed position.
Orifice diameter has to be specified when ordering.

Performance curves R/flow (allowance can be ±10% from the curve)
After assembling the valves are preadjustated at the following valves
"S"= 2.0 mm

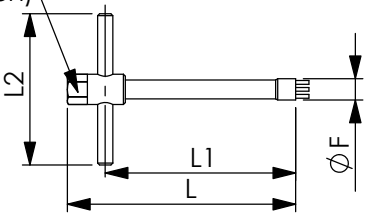


Flow performance from ① to ② depending on S-lenght



FITTING TOOL DIMENSION

14.0 Hex.
(9/16 inch)

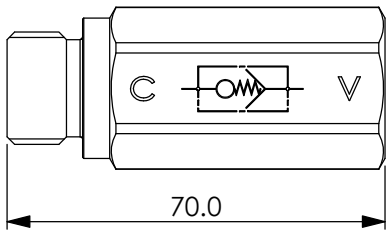


UNIT:mm

F	L	L1	L2	Tool's ordering code
15	120	108	80	HBG03-T

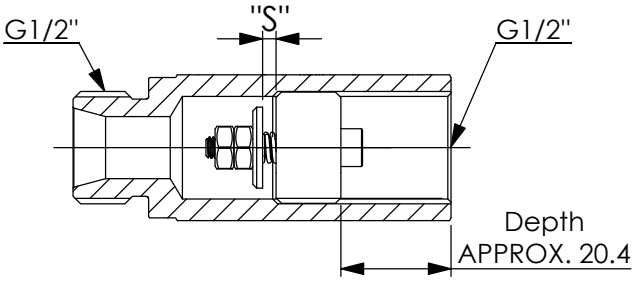
HOST BURST PROTECTION VALVES
INSERT-TYPE WITH MALE-FEMALE SLEEVE

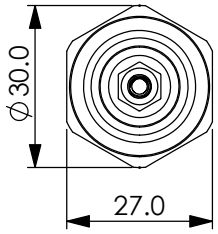
Ordering Code: **MEG04BG04A-HBZ**

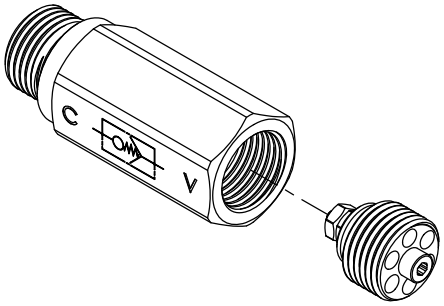


Direct Connecting to Cylinder

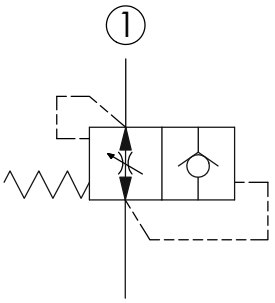
Connecting to Valve



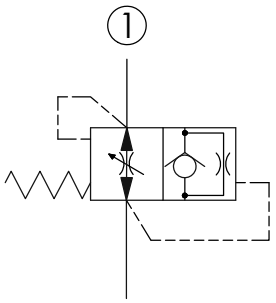




UNIT:mm



Hose burst check valve



Hose burst valve with orifice

TECHNICAL DATA

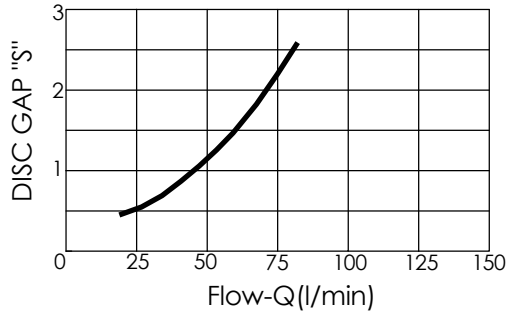
Max. pressure:	350	bar
Fluids-Temperatures:	-40 to 120	℃
Filtration:	25 μm nominal or better	

Weight	Flow		TIGHTENING TORQUE Cartridge
kg	min	max	Nm
0.187	16	80	3±1

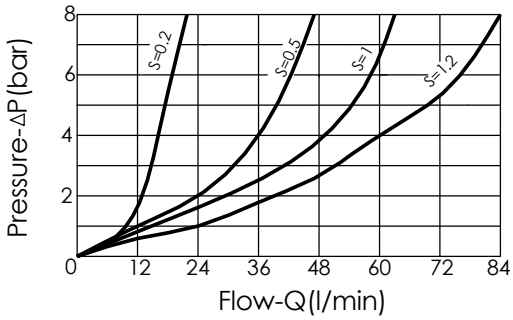
Z	ORIFICE DIAMETER (mm)				
00	no orifice		**10**	1	
05	0.5		**12**	1.2	
06	0.6		**13**	1.3	
07	0.7		**15**	1.5	
08	0.8		**19**	1.9	
09	0.9		**20**	2.0	

Avaiable on request: orifice in the washer, ensuring a slow descent of the load with valve in closed position.
Orifice diameter has to be specified when ordering.

Performance curves R/flow (allowance can be ±10% from the curve)
After assembling the valves are preadjustated at the following valves
"S"= 2.5 mm

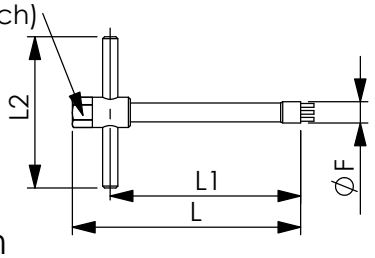


Flow performance from ① to ② depending on S-lenght



FITTING TOOL DIMENSION

14.0 Hex.
(9/16 inch)

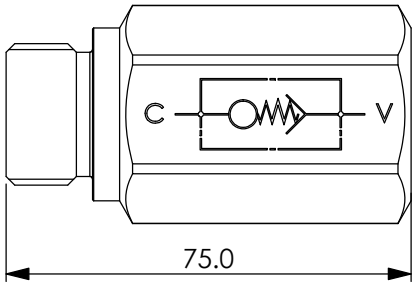


UNIT:mm

F	L	L1	L2	Tool's ordering code
18.8	120	108	80	HBG04-T

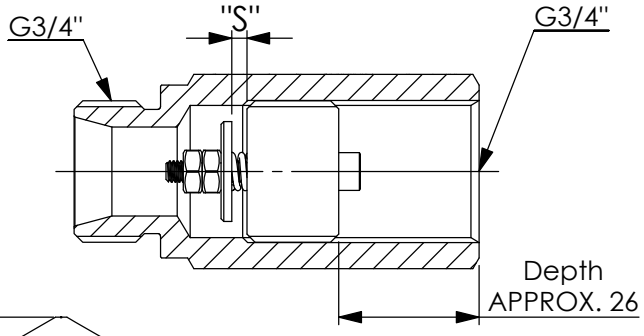
HOST BURST PROTECTION VALVES
INSERT-TYPE WITH MALE-FEMALE SLEEVE

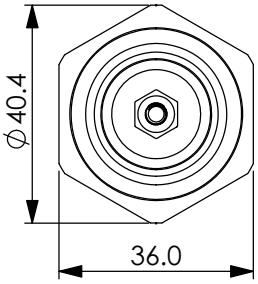
Ordering Code: **MEG06BG06A-HBZ**

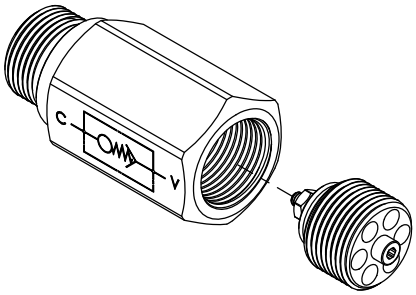


Direct Connecting to Cylinder

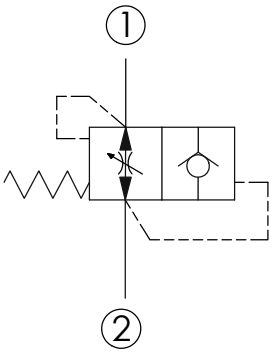
Connecting to Valve



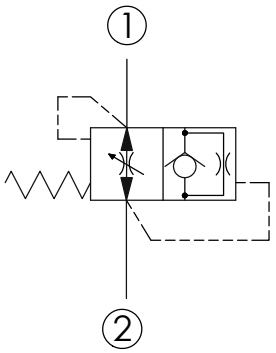




UNIT:mm



Hose burst check valve



Hose burst valve with orifice

TECHNICAL DATA

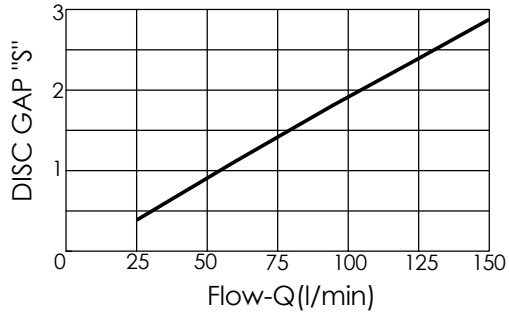
Max. pressure:	350	bar
Fluids-Temperatures:	-40 to 120	℃
Filtration:	25 μm nominal or better	

Weight	Flow		TIGHTENING TORQUE Cartridge
kg	min	max	Nm
0.354	25	150	3±1

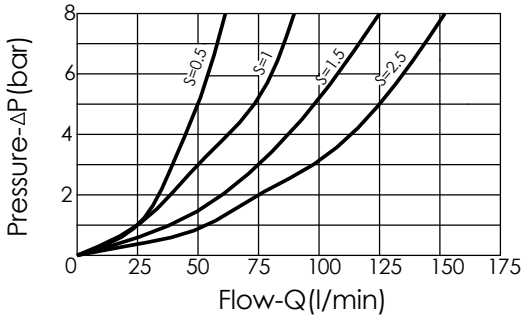
Z	ORIFICE DIAMETER (mm)				
00	no orifice		**10**	1	
05	0.5		**12**	1.2	
06	0.6		**13**	1.3	
07	0.7		**15**	1.5	
08	0.8		**19**	1.9	
09	0.9		**20**	2.0	

Avaiable on request: orifice in the washer, ensuring a slow descent of the load with valve in closed position.
Orifice diameter has to be specified when ordering.

Performance curves R/flow (allowance can be ±10% from the curve)
After assembling the valves are preadjustated at the following valves
"S"= 2.8 mm

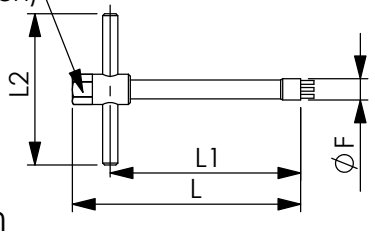


Flow performance from ① to ② depending on S-lenght



FITTING TOOL DIMENSION

14.0 Hex.
(9/16 inch)



UNIT:mm

F	L	L1	L2	Tool's ordering code
24	120	108	80	HBG06-T

HYDROPRESS®
hydraulika siłowa

CENTRALA ELBLĄG

Ul. Rawska 19B
82-300 Elbląg

tel. /+48/ 55 625 51 00

fax /+48/ 55 625 51 01

Dział Handlowy

tel. /+48/ 55 625 51 51

elblag@hydropress.pl

www.hydropress.pl

ODDZIAŁ GDAŃSK
tel. /+48/ 55 625 51 21
fax /+48/ 55 625 51 22

ODDZIAŁ RUMIA
tel. /+48/ 58 679 34 15
fax /+48/ 55 625 51 25

ODDZIAŁ TYCHY
tel. /+48/ 32 787 52 88
fax /+48/ 55 625 51 38

ODDZIAŁ OLSZTYN
tel. /+48/ 89 532 01 05
fax /+48/ 89 715 21 42

ODDZIAŁ WARSZAWA
tel. /+48/ 22 468 86 97
fax /+48/ 55 625 51 32

BIURO WE WROCŁAWIU
tel. /+48/ 782 838 000
fax /+48/ 55 625 51 35

BIURO W KIELCACH
tel. /+48/ 885 995 501
fax /+48/ 55 625 51 01

BIURO W KRAKOWIE
tel. /+48/ 885 995 019
fax /+48/ 55 625 51 01

BIURO W OPOLU
tel. /+48/ 885 995 011
fax /+48/ 55 625 51 01

BIURO W BYDGOSZCZY
tel. /+48/ 790 222 771
fax /+48/ 55 625 51 01

BIURO W BIAŁYMSTOKU
tel. /+48/ 89 532 01 05
fax /+48/ 89 715 21 42

BIURO W ŁODZI
tel. /+48/ 609 221 421
fax /+48/ 89 715 21 42