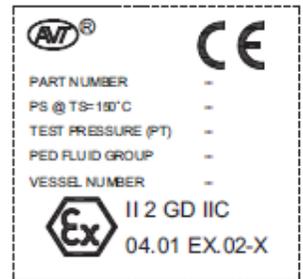


PARKER LOGO TO APPEAR OPPOSITE DATA LABEL

DATA LABEL

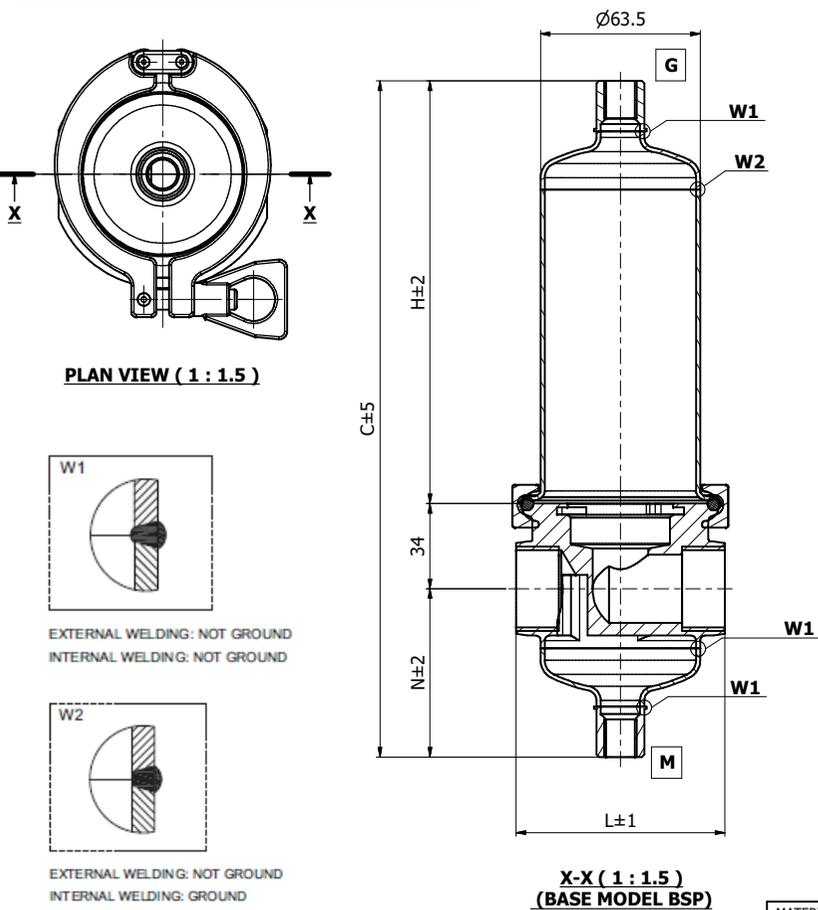


TECHNICAL DATA	
SERIES	PHB
CARTRIDGE SOCKET	TRUESEAL
DESIGN CODE	PED 2014/68/EU SEP
ATEX REGULATION	GROUP 2, CAT 2 GAS & DUST FLUID GR IIC ZONE 1 & 21
PED CATEGORY	Art. 4.3 (2014/68/EU)
PED FLUID GROUP	1 AND 2
PRESSURE (PS) min-max	-1 / +10 Bar -1 / +16 Bar
TEMPERATURE (TS) min-max	-20 / +150°C
TEST PRESSURE (PT)	15.8 Bar 22.9 Bar
FLUID STATE	GAS AND LIQUID
VESSEL MATERIAL	316L / 1.4404
EXTERNAL SURFACE	FINE BRUSHED (SATIN)
INTERNAL SURFACE	FINE BRUSHED (SATIN)
INTERNAL ROUGHNESS	Ra <0.8 MICRON
VENT CONNECTION	SEE CODING CHART
DRAIN CONNECTION	SEE CODING CHART

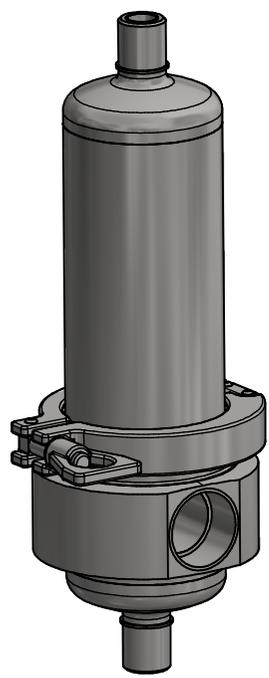
DIMENSIONAL DATA			
INLET / OUT CONNECTION	BSP FEMALE 1/2"	BSP FEMALE 1.0"	
CARTRIDGE HEIGHT	2.5"	5"	2.5"
C (mm)	200	256	212
H (mm)	111	167	111
N (mm)	61	61	67
L (mm)	82	82	83
VOLUME Litres	0.32	0.48	0.34

Key

- (1) Standard Configuration (offers better lead-time)
- (2) Requires double bolt clamp
- (3) Only available on 10 Bar Option
- (4) Only available on 16 Bar Option
- (5) Mechanical Polish is specified as Fine Brush Satin Finish (internal surfaces)
- (6) NPT vent & drain is only available with NPT Inlet & Outlet (and vice versa)



ISOMETRIC VIEW (1 : 1.5)



NOTES

DIMENSIONS NOT INDICATED ARE FOR PARTS NOT SIGNIFICANT FOR FUNCTIONALITY AND SAFETY OF THE VESSEL. THOSE PARTS COULD BE MODIFIED OR SUBSTITUTED WITHOUT NOTICE.

TAG NUMBERS

EQUIPMENT TAG NUMBERS MUST BE PROVIDED AT THE TIME OF ORDER, AND MUST BE SPECIFIED ON THE PURCHASE ORDER.

MATERIAL CERTIFICATION

VESSELS REQUIRING FULL MATERIAL CERTIFICATION MUST BE SPECIFIED AT TIME OF ORDER.

FINAL ASSEMBLY NOTES

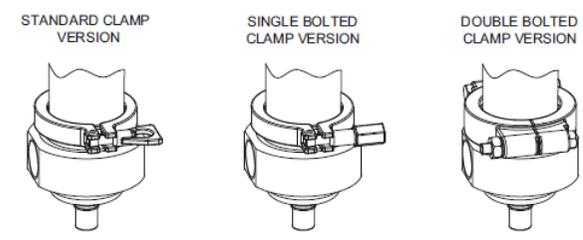
1. VESSEL TO BE HYDRO-TESTED AND SERIALISED.
2. PRESSURE TEST SERIAL NUMBER TO BE MARKED ON THE VESSEL ETCH.

DOCUMENTS REQUIRED

1. FINAL INSPECTION CERTIFICATE.
2. EU DECLARATION OF CONFORMITY (WHERE MANDATED BY 2014/68/EU).
3. USER MANUAL.

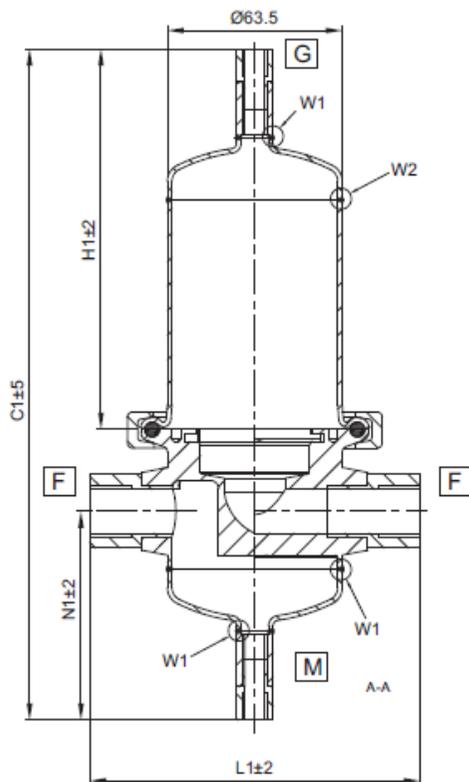
GENERAL NOTES

1. THE CUSTOMER IS RESPONSIBLE FOR ENSURING ADEQUATE SUPPORT UPON INSTALLATION.
2. CUSTOMER IS RESPONSIBLE FOR INSTALLATION OF SUITABLE PRESSURE RELIEF DEVICES.

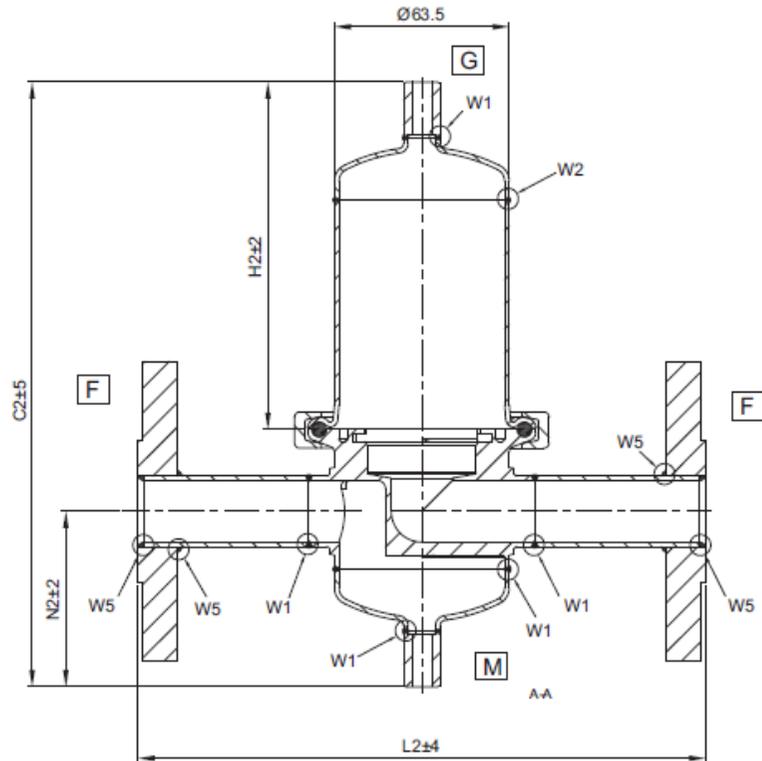


ECO No.	0266080	REV No.	A
DO NOT SCALE - IF IN DOUBT ASK			
<small>PLEASE CONSIDER THE ENVIRONMENT PRIOR TO PRINTING THIS DRAWING. DIMENSIONS IN MILLIMETRES</small>			
GENERAL TOLERANCES UNLESS OTHERWISE STATED			
MACHINED DIMENSIONS			
.XX	+0.13	UP TO 300	±0.3
.X	+0.25	OVER 300 TO 600	±0.5
POSITIONAL TOLERANCE			
PLAIN HOLES	00.13		
TAPPED HOLES	00.25		
CONCENTRICITY TOLERANCE	0.13	TR	
MACHINED SURFACES INDICATED THIS SURFACE TEXTURE TO BS 1134 VALUES IN MICROMETRES			
ANGLES ±1/2° (EXCEPT CHAMFERS)			
METRIC THREADS TO BS 3643 MED. CLASS			
EXTERNAL 6g	INTERNAL 6H		
PIPE THREADS PRESSURE TIGHT TO BS 21			
SHEET METALWORK & FABRICATIONS SHEET METALWORK DIMENSIONS			
UP TO 500	±0.5		
OVER 500 TO 1000	±1.0		
OVER 1000	±1.5		
FABRICATED PARTS DIMENSIONS			
UP TO 500	±2		
OVER 500 TO 1000	±4		
OVER 1000	±6		
POSITIONAL TOLERANCE FOR PLAIN & TAPPED HOLES			
UP TO 500	01.0		
OVER 500	02.0		
Parker domnick hunter			
Parker Hannifin Manufacturing Ltd domnick hunter Process Filtration - Europe Durham Road Birtley, Co. Durham DH3 2SF, England phone +44 (0)191 4105121 fax +44 (0)191 4105312 email: dfprocess@parker.com www.parker.com/processfiltration			
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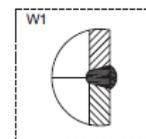
MATERIAL	GEN. ARRT.	SCALE	2:3		<table border="1"> <tr> <td>NAME</td> <td>DF</td> <td>CHECKED</td> <td>PC</td> <td>APPROVED</td> <td>DF</td> </tr> <tr> <td>DATE</td> <td>06/08/2018</td> <td>18/09/2018</td> <td>18/09/2018</td> <td></td> <td></td> </tr> </table>	NAME	DF	CHECKED	PC	APPROVED	DF	DATE	06/08/2018	18/09/2018	18/09/2018			TITLE	PHB DEMI TRUESEAL GAS HOUSINGS	DRG No.	179502678	SHEET	1/3
NAME	DF	CHECKED	PC	APPROVED	DF																		
DATE	06/08/2018	18/09/2018	18/09/2018																				



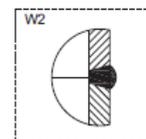
NPT MODEL (C/W BSP TO NPT ADAPTERS)



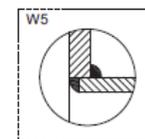
FLANGED MODEL (AVAILABLE IN ASME & EN1092-1)



EXTERNAL WELDING: NOT GROUND
INTERNAL WELDING: NOT GROUND



EXTERNAL WELDING: NOT GROUND
INTERNAL WELDING: GROUND



EXTERNAL WELDING: NOT GROUND
INTERNAL WELDING: NOT GROUND

NOTES

DIMENSIONS NOT INDICATED ARE FOR PARTS NOT SIGNIFICANT FOR FUNCTIONALITY AND SAFETY OF THE VESSEL. THOSE PARTS COULD BE MODIFIED OR SUBSTITUTED WITHOUT NOTICE.

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MATERIAL CERTIFICATION

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FINAL ASSEMBLY NOTES

- VESSEL TO BE HYDRO-TESTED AND SERIALISED.
- PRESSURE TEST SERIAL NUMBER TO BE MARKED ON THE VESSEL ETCH.

DOCUMENTS REQUIRED

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- EU DECLARATION OF CONFORMITY (WHERE MANDATED BY 2014/68/EU).
- USER MANUAL.

GENERAL NOTES

- THE CUSTOMER IS RESPONSIBLE FOR ENSURING ADEQUATE SUPPORT UPON INSTALLATION.
- CUSTOMER IS RESPONSIBLE FOR INSTALLATION OF SUITABLE PRESSURE RELIEF DEVICES.

DIMENSIONAL DATA				
INLET - OUTLET CONNECTIONS	NPT FEMALE 1/2"		NPT FEMALE 1.0"	
	CARTRIDGE HEIGHT	2.5"	5"	2.5"
C1 [mm]	238	294	250	306
H1 [mm]	130	186	130	186
N1 [mm]	80	80	86	86
L1 [mm]	138	138	139	139
TOTAL VESSEL VOLUME [litres]	0.34	0.50	0.36	0.52
INLET - OUTLET CONNECTIONS	FLANGES ASME 0.5" EN1092-1 DN15		FLANGES ASME 1.0" EN1092-1 DN25	
	CARTRIDGE HEIGHT	2.5"	5"	2.5"
C2 [mm]	196	252	207	263
H2 [mm]	111	167	111	167
N2 [mm]	57	57	65	65
L2 [mm]	206	206	206	206
TOTAL VESSEL VOLUME [litres]	0.33	0.49	0.39	0.55

TECHNICAL DATA	
SERIES	PHB
CARTRIDGE SOCKET	TRUESEAL
DESIGN CODE	PED 2014/68/EU SEP
ATEX REGULATION	GROUP 2, CAT 2 GAS & DUST FLUID GR IIC ZONE 1 & 21
PED CATEGORY	Art. 4.3 (2014/68/EU)
PED FLUID GROUP	1 AND 2
PRESSURE (PS) min-max	-1 / +10 Bar -1 / +16 Bar
TEMPERATURE (TS) min-max	-20 / +150°C
TEST PRESSURE (PT)	15.8 Bar 22.9 Bar
FLUID STATE	GAS AND LIQUID
VESSEL MATERIAL	316L / 1.4404
EXTERNAL SURFACE	FINE BRUSHED (SATIN)
INTERNAL SURFACE	FINE BRUSHED (SATIN)
INTERNAL ROUGHNESS	Ra <0.8 MICRON
VENT CONNECTION [G]	SEE CODING CHART
DRAIN CONNECTION [M]	SEE CODING CHART

ECO No.	0266080	REV No.	A
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DO NOT SCALE - IF IN DOUBT ASK

PLEASE CONSIDER THE ENVIRONMENT PRIOR TO PRINTING THIS DRAWING. DIMENSIONS IN MILLIMETRES

GENERAL TOLERANCES UNLESS OTHERWISE STATED

MACHINED DIMENSIONS		
.XX	+0.13	UP TO 300 ±0.3
.X	+0.25	OVER 300 TO 600 ±0.5

POSITIONAL TOLERANCE		
PLAIN HOLES	Ø0.13	
TAPPED HOLES	Ø0.25	
CONCENTRICITY TOLERANCE	0.13 TIR	

MACHINED SURFACES INDICATED THIS SURFACE TEXTURE TO BS 1134 VALUES IN MICROMETRES

ANGLES ±1/2° (EXCEPT CHAMFERS)

METRIC THREADS TO BS 3643 MED. CLASS
EXTERNAL 6g INTERNAL 6h
PIPE THREADS
PRESSURE TIGHT TO BS 21

SHEET METALWORK & FABRICATIONS
SHEET METALWORK DIMENSIONS
UP TO 500 ±0.5
OVER 500 TO 1000 ±1.0
OVER 1000 ±1.5

FABRICATED PARTS DIMENSIONS
UP TO 500 ±2
OVER 500 TO 1000 ±4
OVER 1000 ±6

POSITIONAL TOLERANCE FOR PLAIN & TAPPED HOLES
UP TO 500 01.0
OVER 500 02.0



Parker Hannifin Manufacturing Ltd
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Process Filtration - Europe
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DH3 2SF, England
phone +44 (0)191 4105121
fax +44 (0)191 4105312
email: dprocess@parker.com
www.parker.com/processfiltration

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MATERIAL	SCALE				
GEN. ARRT.	2:3				

NAME	DRAWN	CHECKED	APPROVED	TITLE
DF	DF	PC	DF	PHB DEMI TRUESEAL GAS HOUSINGS
DATE	06/08/2018	18/09/2018	18/09/2018	

DRG No.	179502678	SHEET	2/3
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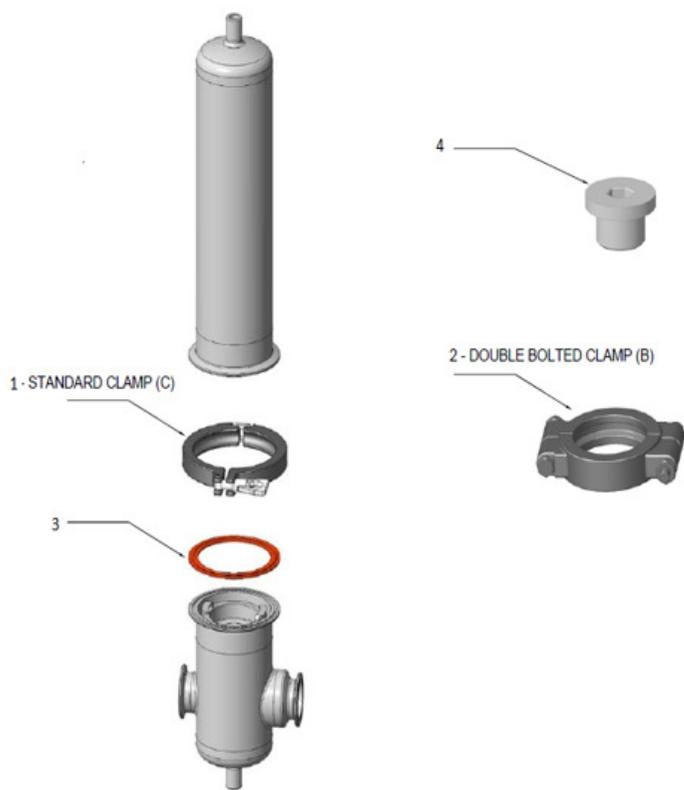
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SPARE PARTS LIST			
POS	DESCRIPTION	MATERIAL	PART NUMBER
1	STANDARD CLAMP	AISI 304	XTCSS08AL
2	DOUBLE BOLT CLAMP	AISI 304	XTCSS08AL2
3	GASKET	SILICONE	XORSI08AL
	GASKET	EPDM	XOREP08AL
	GASKET	VITON	XORVI08AL
	GASKET	FEP ENC. SILICONE	XORPS08AL
4	PLUG BSPM 1/4" (2 OFF)	AISI 316L	XAKSS03AL

A

ACCESSORIES FOR VENT AND DRAIN PORTS

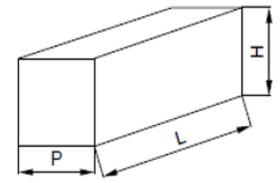
ITEM	DESCRIPTION:	PART NUMBER
	0-10 BAR PRESSURE GAUGE WITH 1/4" BSPM FEMALE TEE C/W MANUAL BALL VALVE WITH NIPPLE	XPGSS03AL1
	0-16 BAR PRESSURE GAUGE WITH 1/4" BSPM FEMALE TEE C/W MANUAL BALL VALVE WITH NIPPLE	XPGSS03AL2
	BALL VALVE BSPM 1/4" C/W HOSE ADAPTOR	XVASS03AL



A

PACKAGING

	Size and Weight		
	Total Net Weight [KG]	Packaging Size [CM] (LxPxH)	Total Weight Packed (KG)
IN/OUT BSP VERSION	2.5	35x18x20	3.2
IN/OUT VERSION	3.5	40x25x20	3.2



ECO No.	0266080	REV No.	A
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GENERAL TOLERANCES UNLESS OTHERWISE STATED			
MACHINED DIMENSIONS			
.XX	+0.13	UP TO 300	±0.3
.X	+0.25	OVER 300 TO 600	±0.5
POSITIONAL TOLERANCE			
PLAIN HOLES	00.13		
TAPPED HOLES	00.25		
CONCENTRICITY TOLERANCE	0.13	TIR	
MACHINED SURFACES INDICATED THIS SURFACE TEXTURE TO BS 1134 VALUES IN MICROMETRES			
ANGLES ±1/2° (EXCEPT CHAMFERS)			
METRIC THREADS TO BS 3643 MED. CLASS			
EXTERNAL	6g	INTERNAL	6H
PIPE THREADS			
PRESSURE TIGHT TO BS 21			
SHEET METALWORK & FABRICATIONS			
SHEET METALWORK DIMENSIONS			
UP TO 500	±0.5		
OVER 500 TO 1000	±1.0		
OVER 1000	±1.5		
FABRICATED PARTS DIMENSIONS			
UP TO 500	±2		
OVER 500 TO 1000	±4		
OVER 1000	±6		
POSITIONAL TOLERANCE FOR PLAIN & TAPPED HOLES			
UP TO 500	01.0		
OVER 500	02.0		
Parker domnick hunter			
Parker Hannifin Manufacturing Ltd domnick hunter Process Filtration - Europe Durham Road Birtley, Co. Durham DH3 2SF, England phone +44 (0)191 4105121 fax +44 (0)191 4105312 email: dhprocess@parker.com www.parker.com/processfiltration			
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MATERIAL	SCALE		DRAWN	CHECKED	APPROVED	TITLE	
GEN. ARRT.	2:3		NAME	DF	PC	DF	PHB DEMI TRUESEAL GAS HOUSINGS
			DATE	06/08/2018	18/09/2018	18/09/2018	

DRG No.	179502678	SHEET	3 / 3
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