Eco-Fittings For
BS416:Part 1:1990
Cast Iron Discharge & Ventilating Pipes

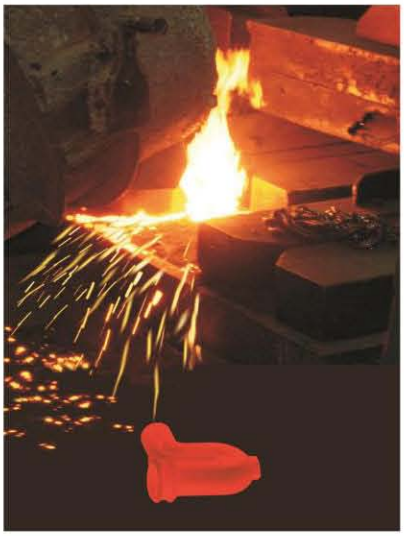
CHF -

振亞發展有限公司

ASIA DEVELOPMENT (HK) LIMITED

06/2021

Introduction



CHF- has made every endeavour to develop and manufacture cast iron products to meet the requirement of relevant standards and to cater for the needs of local drainage and plumbing industries. All through years, CHF has made every endeavour to develop and manufacture cast iron products to meet the requirement of relevant standards and to cater for the needs of local drainage and plumbing industries.

CHF specializes in manufacturing cast iron pipes and fittings, rainwater outlets, manhole covers and frames, channel gratings, special castings such as copper, stainless steel, etc.

The purpose of this catalog is to providea comprehensive introduction of CHF BS416 cast iron fittings. These fittings are compatible with cast iron discharge and ventilating pipes which conform to BS 416: Part1:1990. BS416 cast iron fittings are for use above ground in the discharge or ventilating pipe systems within or external to building including any basements, but excluding any pipe works which enter into the ground.

Strict Quality Control and High Calibre of Manufacture

Our products have also undergone tests performed by HKAS accredited laboratories under HOKLAS.

They are proved to comply with the requirements of Buildings Department PNAP 282 - Cast Iron Pipes for Drainage Works.

Material

The Cast Iron of material are comply with BS EN 1561 EN-GJL-150

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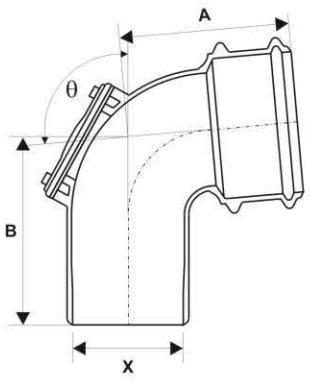
振亞發展有限公司
ASIA DEVELOPMENT (HK) LIMITED

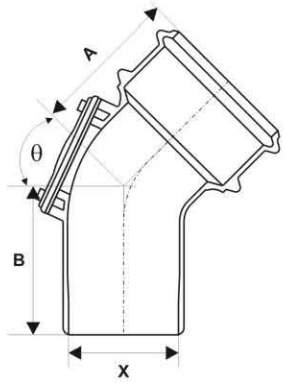
1 BEND 彎邊



1.1 Bend, 95° With Access Door
95°正口彎邊

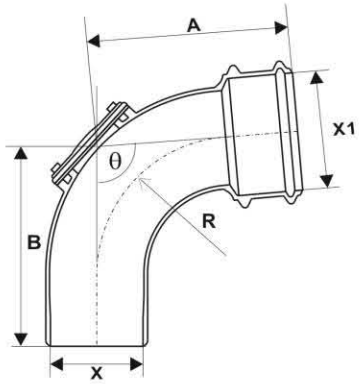
Code No. 貨號	Nominal Bore 公稱內徑 (mm)	Dimension 尺寸 (mm)			
		A	B	X	θ
BB050B	50	120	120	50	95°
BB075B	75	130	130	75	95°
BB100B	100	155	170	100	95°
BB150B	150	191	220	150	95°

1



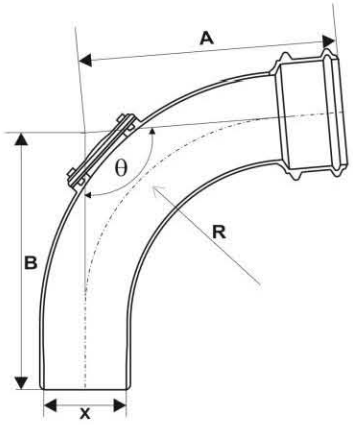
1.2 Bend, 45° With Access Door
45°正口彎邊

Code No. 貨號	Nominal Bore 公稱內徑 (mm)	Dimension 尺寸 (mm)			
		A	B	X	θ
BA050B	50	110	110	50	45°
BA075B	75	120	120	75	45°
BA100B	100	135	135	100	45°
BA150B	150	150	170	150	45°



1.3 Bend, 95° Medium Radius With Access Door
95°正口中彎邊

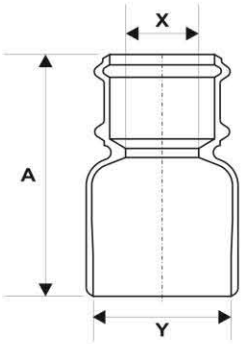
Code No. 貨號	Nominal Bore 公稱內徑 (mm)	Dimension 尺寸 (mm)				
		A	B	X	R	θ
BC075B	75	205	200	75	130	95°
BC100B	100	220	220	100	144	95°



1.4 Bend, 95° Large Radius With Access Door
95°正口大彎邊

Code No. 貨號	Nominal Bore 公稱內徑 (mm)	Dimension 尺寸 (mm)				
		A	B	X	R	θ
BD075B	75	300	300	75	245	95°
BD100B	100	330	320	100	250	95°
BD150B	150	335	313	150	240	95°

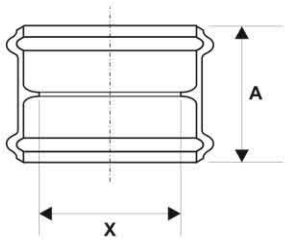
2 REDUCER 刁士



2 Reducer 刁士

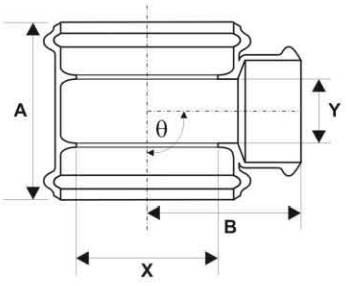
Code No. 貨 號	Nominal Bore 公稱內徑 (mm)	Dimension 尺寸 (mm)		
	mm x mm	A	X	Y
FA075050	75X50	165	50	75
FA100050	100X50	175	50	100
FA100075	100X75	175	75	100
FA150050	150X50	195	50	150
FA150075	150X75	195	75	150
FA150100	150X100	195	100	150

3 SOCKET 梳杰



3.1 Socket 梳杰

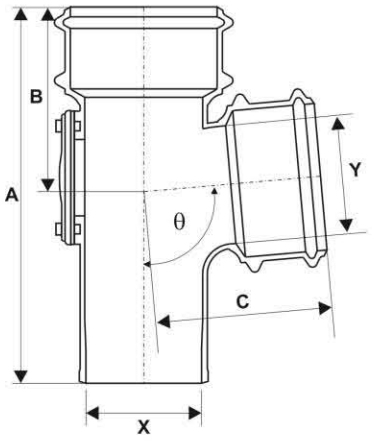
Code No. 貨 號	Nominal Bore 公稱內徑 (mm)	Dimension 尺寸 (mm)	
		A	X
KA050	50	84	50
KA075	75	90	75
KA100	100	100	100
KA150	150	120	150



3.2 Socket With Horn 正咀梳杰

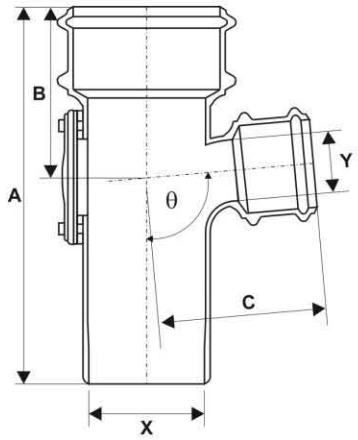
Code No. 貨 號	Nominal Bore 公稱內徑 (mm)	Dimension 尺寸 (mm)				
	mm x mm	A	B	X	Y	θ
KC100050C	100 X 50	130	113	100	50	90°

4 TEE 三叉



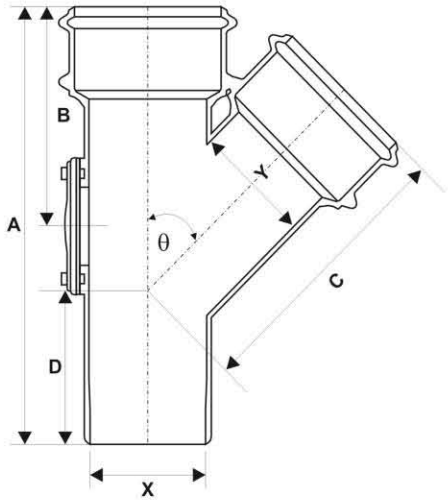
4.1 Tee, 95° Equal With Access Door
95°正口等徑三叉

Code No. 貨號	Nominal Bore 公稱內徑 (mm)	Dimension 尺寸 (mm)					
	mm x mm	A	B	C	X	Y	θ
TA050050B	50X50	235	120	120	50	50	95°
TA075075B	75X75	280	140	140	75	75	95°
TA100100B	100X100	325	160	160	100	100	95°
TA150150B	150X150	390	195	195	150	150	95°



4.2 Tee, 95° Unequal With Access Door
95°正口異徑三叉

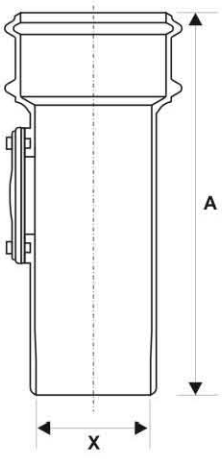
Code No. 貨號	Nominal Bore 公稱內徑 (mm)	Dimension 尺寸 (mm)					
	mm x mm	A	B	C	X	Y	θ
TA075050B	75X50	280	130	130	75	50	95°
TA100050B	100X50	325	150	147	100	50	95°
TA100075B	100X75	325	150	152	100	75	95°
TA150050B	150X50	360	170	180	150	50	95°
TA150075B	150X75	360	170	185	150	75	95°
TA150100B	150X100	360	170	185	150	100	95°



4.3 Tee, 45° Equal With Access Door
45°正口等徑斜上三叉

Code No. 貨號	Nominal Bore 公稱內徑 (mm)	Dimension 尺寸 (mm)						
		A	B	C	D	X	Y	θ
TB050050B	50X50	250	130	190	82	50	50	45°
TB075075B	75X75	320	170	200	120	75	75	45°
TB100100B	100X100	370	190	240	130	100	100	45°
TB150150B	150X150	450	240	320	130	150	150	45°

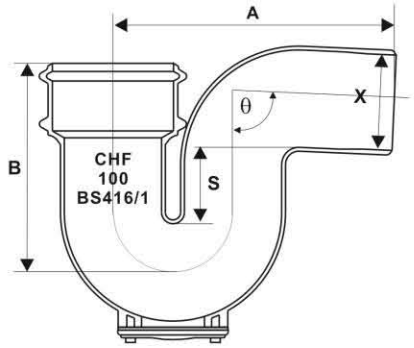
5



4.4 Short Connecting Pipe With Access Door
正口短垌

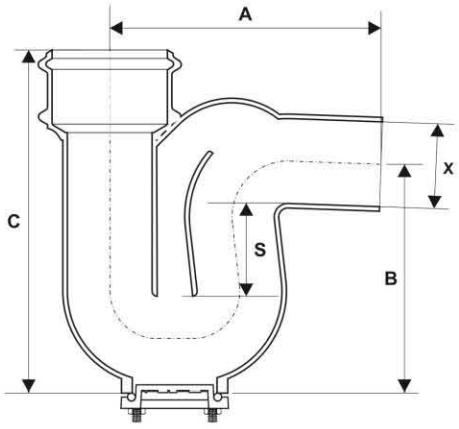
Code No. 貨號	Nominal Bore 公稱內徑 (mm)	Dimension 尺寸 (mm)	
		A	X
TN050B	50	235	50
TN075B	75	300	75
TN100B	100	305	100
TN150B	150	380	150

5 TRAP 隔氣



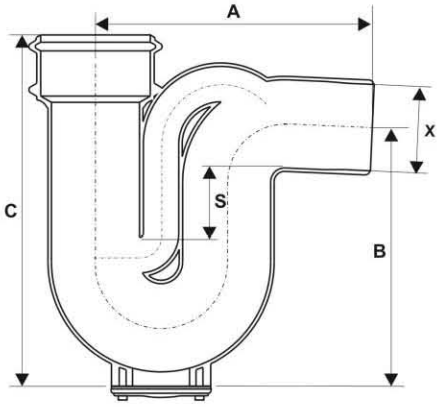
5.1 Trap, High Invert "P" With Access Door
深水P型正口隔氣

Code No. 貨號	Nominal Bore 公稱內徑 (mm)	Dimension 尺寸 (mm)				
		A	B	S	X	θ
CB075B	75	250	208	80	75	87.5°
CB100B	100	295	219	80	100	87.5°
CB150B	150	375	265	80	150	87.5°



5.2 Trap, Anti-syphon "P" With Access Door
正口P型防吸力隔氣

Code No. 貨號	Nominal Bore 公稱內徑 (mm)	Dimension 尺寸 (mm)				
		A	B	C	S	X
CC075	75	240	201	302	80	75



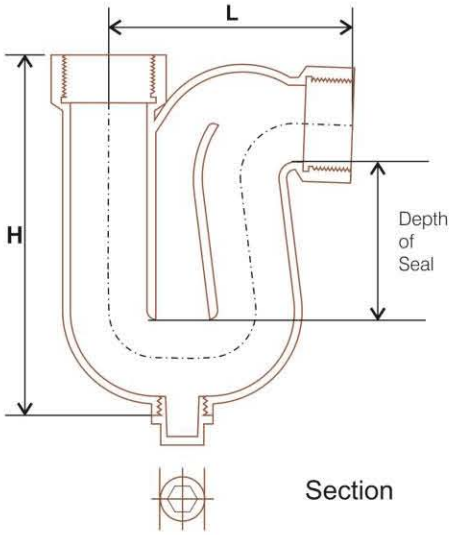
5.2a Trap, Anti-syphon "P" With Access Door
正口P型防吸力隔氣

Code No. 貨號	Nominal Bore 公稱內徑 (mm)	Dimension 尺寸 (mm)				
		A	B	C	S	X
CC100	100	320	304	410	80	100
CC150	150	410	375	535	80	150

CHF - Eco-Cast Iron Anti-Syphonage "P" Traps with Female Threaded Sockets and Cleaning Plugs

鑄鐵內牙梳杰有通積"P"型防吸力隔氣

3-D perspective



Section

Not to scale, all drawings are for reference only.

7

Stock Code:	CCA038
Standard:	BS416. Suitable for BS EN877.
Material:	100% recyclable cast iron are comply with BS 1452 Grade 150& BS EN 1561 EN-GJL-150
Coating:	Red Epoxy
Features:	1) Allows a level of water seal (80mm) so as to disable the passage of air. 2) Prevents undesirable and foul odors from backflowing from the drainage system into the building as a result of heavy discharge of waste water. 3) Particularly suitable for main pipe works without secondary ventilation. 4) Can be fitted to drinking fountains, washbasins, sinks, bathtubs and rainwater outlets, etc.

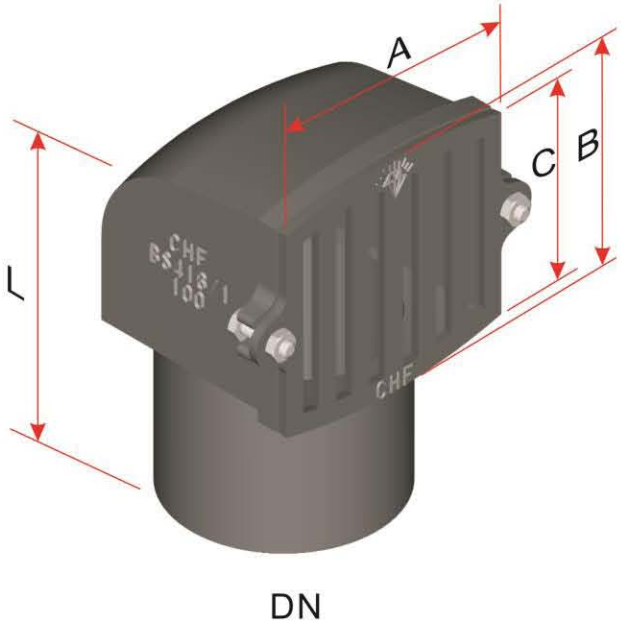
Technical Specifications

Code	DN of Socket	H Approx.	L Approx.	DN of Cleaning Plug Approx.	Depth of Seal Approx.
CCA038	φ 38mm	~188mm	~127mm	φ 20mm	~80mm
CCA050	φ 50mm	~230mm	~166mm	φ 20mm	~80mm

NOTE:
1. The physical structure of cast iron may change during and/or after the process of smelting, therefore variance in the dimensions of products is anticipated.
2. All specifications described here are subject to change without notice.
3. All drawings shown in this catalog are for reference only. (Not to scale)
4. Features and specifications are subject to change depending on market requirements.
5. Cheung Hing Foundry (HK) Limited reserves the right to make any changes without notice concerning colors or specifications detailed in this catalog or to discontinue individual products.
6. The colors of products may differ from those in this catalog.
7. All rights reserved. It is unlawful to copy or extract the whole or part of the materials from this catalog without written consent of Cheung Hing Foundry (HK) Limited.

6 FRESH AIR INLET 撞風頭

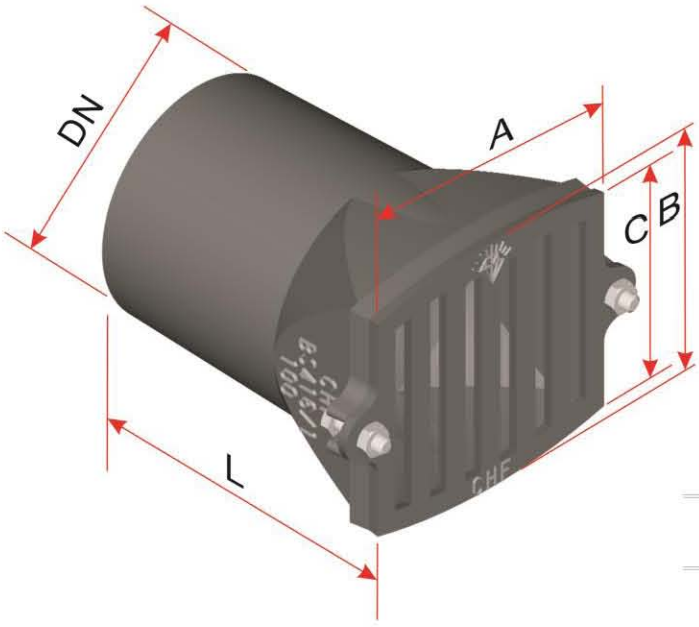
6 Fresh Air Inlet 撞風頭



Vertical Fresh Air Inlet
撞風頭(企身用)

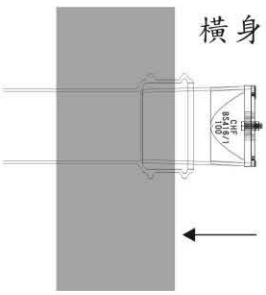
Fresh air inlet body dimension			Fresh air inlet grating dimension		
Code No. 貨號	DN 公稱內徑 (mm)	L 長 (mm)	A 闊 (mm)	B 高 (mm)	C 高1 (mm)
KE075	75	215	128	120	104
KE100	100	205	128	120	104
KE150	150	235	180	170	135

直身撞風頭適用範圍



Horizontal Fresh Air Inlet
撞風頭(橫身用)

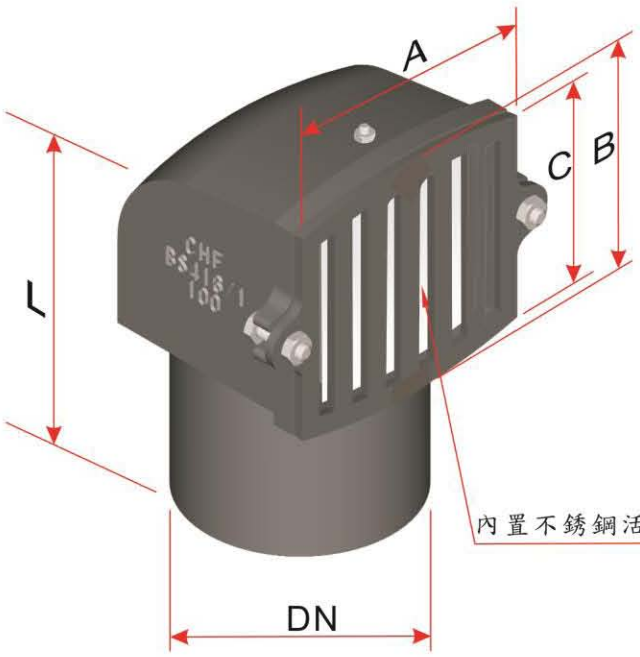
Fresh air inlet body dimension			Fresh air inlet grating dimension		
Code No. 貨號	DN 公稱內徑 (mm)	L 長 (mm)	A 闊 (mm)	B 高 (mm)	C 高1 (mm)
KF075	75	170	128	120	104
KF100	100	170	128	120	104
Kf150	150	175	180	170	135



橫身撞風頭適用範圍

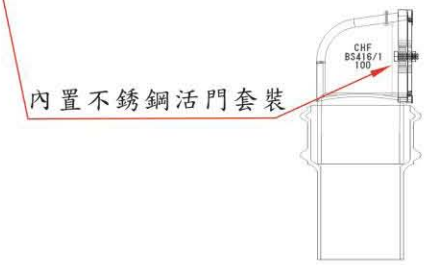
Note : All drawings are for reference only. (NOT TO SCALE) Users must refer to individual products for actual design and pattern.
注意：以上圖表、尺寸、標誌及商標，只供參考。所有尺寸、款式、規格均以實物作準。

Fresh Air Inlet with swing door　撞風頭(內置活門)



Vertical Fresh Air Inlet
撞風頭(企身用)

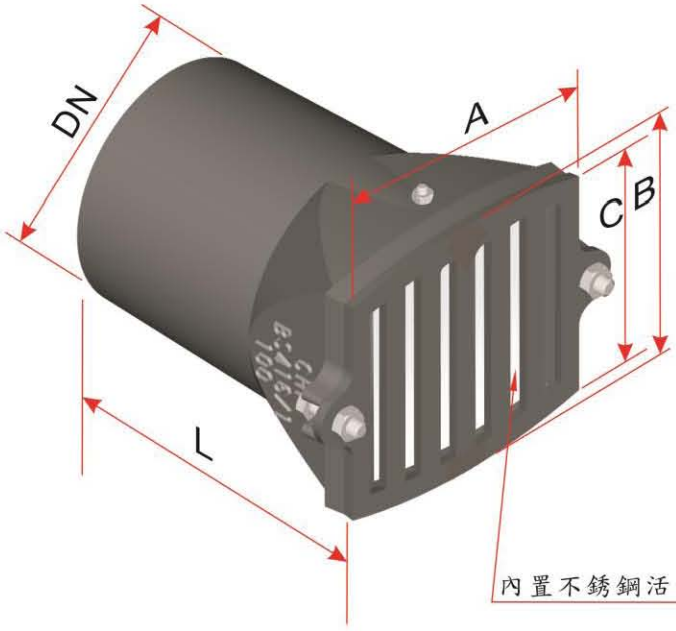
Fresh air inlet body dimension			Fresh air inlet grating dimension		
Code No. 貨號	DN 公稱內徑 (mm)	L 長 (mm)	A 闊 (mm)	B 高 (mm)	C 高1 (mm)
KE075	75	200	128	120	104
KE100	100	225	128	120	104



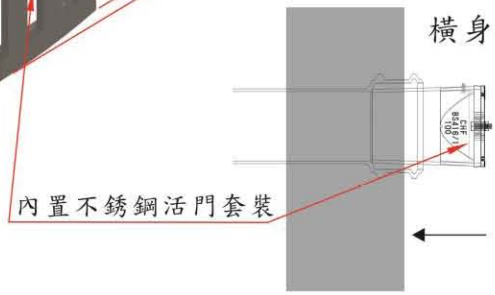
直身撞風頭適用範圍

9

Horizontal Fresh Air Inlet
撞風頭(橫身用)



Fresh air inlet body dimension			Fresh air inlet grating dimension		
Code No. 貨號	DN 公稱內徑 (mm)	L 長 (mm)	A 闊 (mm)	B 高 (mm)	C 高1 (mm)
KF075	75	170	128	120	104
KF100	100	170	128	120	104



橫身撞風頭適用範圍

Note : All drawings are for reference only. (NOT TO SCALE)　Users must refer to individual products for actual design and pattern.
注意：以上圖表、尺寸、標誌及商標，只供參考。所有尺寸、款式、規格均以實物作準。

HOKLAS Endorsed Test Certificates

CASTCO 佳力高試驗中心有限公司
CASTCO TESTING CENTRE LTD.
香港新界粉嶺安樂村安全街29A號 29A, On Chuen Street, On Lok Tsuen, Fanling, N.T., Hong Kong.
Tel: 2677 2032, 2677 2138 Fax: 2677 0351 E-mail: castco@netvigator.com Website: www.castco.com.hk

Test Certificate
Dimension check on discharge and ventilating pipes and fittings, sand-cast or spun in cast iron
(Based on BS416 : Part 1 : 1990, Clause 4)

Date of issue : 07-09-2005
Page 1 of 1 page(s) Castco LRN : DP250824-0311 DIM

Details as supplied by client

Client : Cheung Hing Foundry Ltd Client's ref. no. : --
Contract no. : -- Job title : --
Sample description : 100mm Socket
Manufacturer : Cheung Hing Foundry Ltd Brand : CHF
Remark : Sample Submitted by : Asia Development (HK) Ltd.

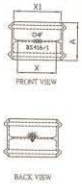
Laboratory test result

Date sample received : 24-08-2005 Date of test : 26-08-2005

Dimensions Check

Specimen no. : DP250824-0311

Dimensions	BS requirement from figure _____	Product requirement from code no. KA100	Measured mean value
A		100 mm	100.5 mm
X		100 mm	100.5 mm
X1		127 mm	127.0 mm



Remarks : 1. Test result relates only to the specimen tested.

Checked by : W. K. Leung Approved signatory : W.K.LEE
B.Sc., C. Eng., MICE, MHKIE

Form No. PIPE DIM416_T3 dd 24/08/2005

CASTCO 佳力高試驗中心有限公司
CASTCO TESTING CENTRE LTD.
香港新界粉嶺安樂村安全街29A號 29A, On Chuen Street, On Lok Tsuen, Fanling, N.T., Hong Kong.
Tel: 2677 2032, 2677 2138 Fax: 2677 0351 E-mail: castco@netvigator.com Website: www.castco.com.hk

Test Certificate
Dimension check on discharge and ventilating pipes and fittings, sand-cast or spun in cast iron
(Based on BS416 : Part 1 : 1990, Clause 4)

Date of issue : 18-04-2006
Page 1A of 1 page(s) Castco LRN : DP260214-0055 DIM

Details as supplied by client

Client : Cheung Hing Foundry Ltd Client's ref. no. : --
Contract no. : -- Job title : --
Sample description : DN 50 Anti-Syphon P Trap W/Threads
Manufacturer : Cheung Hing Foundry Ltd Brand : CHF
Remark : Sample Submitted by : Asia Development (HK) Ltd.

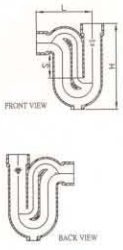
Laboratory test result

Date sample received : 14-02-2006 Date of test : 22-02-2006

Dimensions Check

Specimen no. : DP260214-0055

Dimensions	BS requirement from figure _____	Product requirement from code no. CC050	Measured mean value
L	--	170 mm	169.5 mm
H	--	260 mm	261.0 mm
S	--	80 mm	80.5 mm



Remarks : 1. Test result relates only to the specimen tested.
2. This report supersedes previous test certificate of Castco LRN:DP260214-0055 DIM.

Checked by : W.K. LEUNG Approved signatory : KEITH CHOI
C.Eng., MHKIE MICE
Laboratory Engineer

Form No. PIPE DIM416_T3 dd 24/08/2005

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Tel: 2677 2032, 2677 2138 Fax: 2677 0351 E-mail: castco@netvigator.com Website: www.castco.com.hk

Test Certificate
Dimension check on discharge and ventilating pipes and fittings, sand-cast or spun in cast iron
(Based on BS416 : Part 1 : 1990, Clause 4)

Date of issue : 07-09-2005
Page 1 of 1 page(s) Castco LRN : DP250824-0307 DIM

Details as supplied by client

Client : Cheung Hing Foundry Ltd Client's ref. no. : --
Contract no. : -- Job title : --
Sample description : 100mm x 100mm x 95° Equal Tee with Access Door
Manufacturer : Cheung Hing Foundry Ltd Brand : CHF
Remark : Sample Submitted by : Asia Development (HK) Ltd.

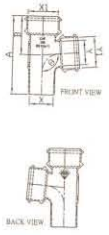
Laboratory test result

Date sample received : 24-08-2005 Date of test : 01-09-2005

Dimensions Check

Specimen no. : DP250824-0307

Dimensions	BS requirement from figure _____	Product requirement from code no. TA100100B	Measured mean value
A		325 mm	326.0 mm
B		160 mm	160.5 mm
C		160 mm	160.0 mm
X		100 mm	100.5 mm
X1		127 mm	127.5 mm
Y		100 mm	100.0 mm
Y1		127 mm	127.5 mm
θ		95°	95.5°



Remarks : 1. Test result relates only to the specimen tested.

Checked by : W. K. Leung Approved signatory : W.K.LEE
B.Sc., C. Eng., MICE, MHKIE
Registered Professional Engineer
General Manager

Form No. PIPE DIM416_T3 dd 24/08/2005

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HOKLAS Endorsed Test Certificates

11

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Tel: 2677 2032, 2677 2138 Fax: 2677 0351 E-mail: castco@netvigator.com Website: www.castco.com.hk
HOKLAS 032

Test Certificate
Dimension check on discharge and ventilating pipes and fittings, sand-cast or spun in cast iron
(Based on BS416 : Part 1 : 1990, Clause 4)

Date of issue : 07-09-2005
Page 1 of 1 page(s) Castco LRN : DP250824-0302 DIM

Details as supplied by client

Client : Cheung Hing Foundry Ltd Client's ref. no. : --
Contract no. : -- Job title : --
Sample description : 100mm x 95° Bend with Access Door
Manufacturer : Cheung Hing Foundry Ltd Brand : CHF
Remark : Sample Submitted by : Asia Development (HK) Ltd.

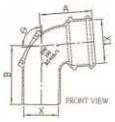
Laboratory test result

Date sample received : 24-08-2005 Date of test : 30-08-2005

Dimensions Check

Specimen no. : DP250824-0302

Dimensions	BS requirement from figure _____	Product requirement from code no. BB100B	Measured mean value
A		155 mm	155.5 mm
B		170 mm	170.0 mm
X		100 mm	100.0 mm
X1		127 mm	127.5 mm
θ		95°	95.0°



Remarks : 1. Test result relates only to the specimen tested.

Checked by : W. K. Leung Approved signatory : W.K.LEE
B.Sc., C. Eng., MICE, MHKIE
Registered Professional Engineer
General Manager

Form No. PIPE DIM416_T3 dd 24/08/2005

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E-mail: castco@netvigator.com Website: www.castco.com.hk
HOKLAS 032

Test Certificate
Dimension check on discharge and ventilating pipes and fittings, sand-cast or spun in cast iron
(Based on BS416 : Part 1 : 1990, Clause 4)

Date of issue : 19-07-2006
Page 1C of 1 page(s) Castco LRN : DP251004-0404 DIM

Details as supplied by client

Client : Cheung Hing Foundry Ltd Client's ref. no. : --
Contract no. : -- Job title : --
Sample description : 100 x 50 mm Reducer
Manufacturer : Cheung Hing Foundry Ltd Brand : CHF
Remark : Sample Submitted by : Asia Development (HK) Ltd.

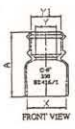
Laboratory test result

Date sample received : 04-10-2005 Date of test : 25-10-2005

Dimensions Check

Specimen no. : DP251004-0404

Dimensions	BS requirement from figure _____	Product requirement from code no. FA100050	Measured mean value
A		175 mm	175.0 mm
X		100 mm	100.0 mm
Y		50 mm	50.0 mm
Y1		75 mm	75.0 mm



Remarks : 1. Test result relates only to the specimen tested.
2. This page of report supersedes page 1B of previous test certificate of Castco LRN : DP251004-0404 DIM.

Checked by : Y.F. LIE Approved signatory : KEITH CHOI
C.Eng., MHKIE MICE
Laboratory Engineer

Form No. PIPE DIM416_T3 dd 24/08/2005

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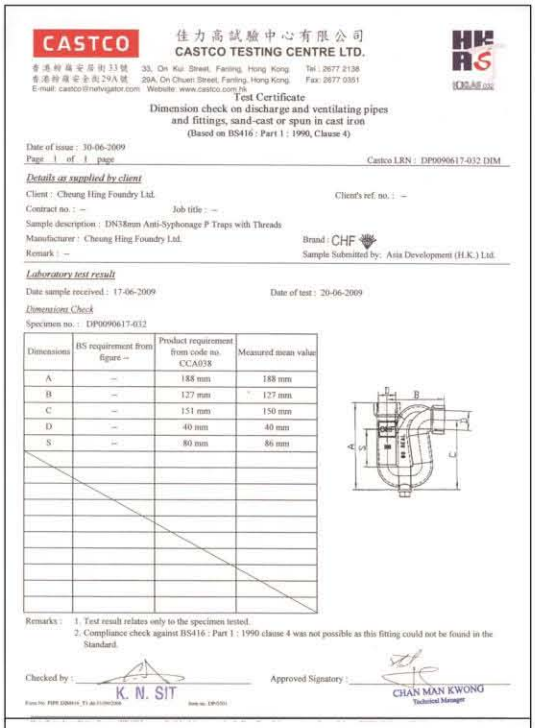
CHF - Eco-Cast Iron Anti-Syphonage "P" Traps with Female Threaded Sockets and Cleaning Plugs

鑄鐵內牙梳杰有通積"P"型防吸力隔氣

HOKLAS Endorsed Test Certificates

38mm →



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香港粉嶺安全街29A號 29A, On Chuen Street, Fanling, Hong Kong. Fax: 2677 0351
E-mail: castco@netvigator.com Website: www.castco.com.hk

Test Certificate
Dimension check on discharge and ventilating pipes and fittings, sand-cast or spun in cast iron
(Based on BS416 : Part 1 : 1990, Clause 4)

Date of issue : 30-06-2009
Page 1 of 1 page
Castco LRN : DP0090617-032 DIM

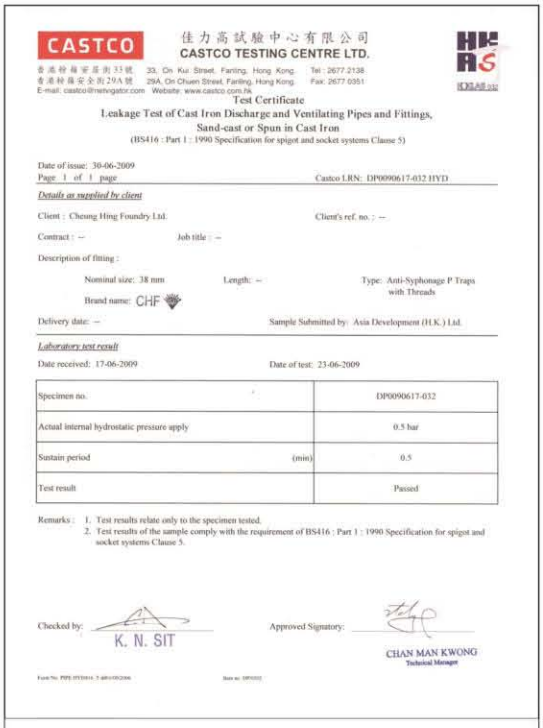
Details as supplied by client
Client : Cheung Hing Foundry Ltd. Client's ref. no. : --
Contract no. : -- Job title : --
Sample description : DN38mm Anti-Syphonage P Traps with Threads
Manufacturer : Cheung Hing Foundry Ltd. Brand : CHF
Remark : -- Sample Submitted by: Asia Development (H.K.) Ltd.

Laboratory test result
Date sample received : 17-06-2009 Date of test : 20-06-2009
Dimensions Check
Specimen no. : DP0090617-032

Dimensions	BS requirement from figure --	Product requirement from code no. CCA038	Measured mean value
A	--	188 mm	188 mm
B	--	127 mm	127 mm
C	--	151 mm	150 mm
D	--	40 mm	40 mm
S	--	80 mm	86 mm

Remarks : 1. Test result relates only to the specimen tested.
2. Compliance check against BS416 : Part 1 : 1990 clause 4 was not possible as this fitting could not be found in the Standard.

Checked by : K. N. SIT Approved Signatory : CHAN MAN KWONG Technical Manager



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E-mail: castco@netvigator.com Website: www.castco.com.hk

Test Certificate
Leakage Test of Cast Iron Discharge and Ventilating Pipes and Fittings, Sand-cast or Spun in Cast Iron
(BS416 : Part 1 : 1990 Specification for spigot and socket systems Clause 5)

Date of issue: 30-06-2009
Page 1 of 1 page
Castco LRN: DP0090617-032 HYD

Details as supplied by client
Client : Cheung Hing Foundry Ltd. Client's ref. no. : --
Contract : -- Job title : --
Description of fitting :
Nominal size: 38 mm Length: -- Type: Anti-Syphonage P Traps with Threads
Brand name: CHF
Delivery date: -- Sample Submitted by: Asia Development (H.K.) Ltd.

Laboratory test result
Date received: 17-06-2009 Date of test: 23-06-2009

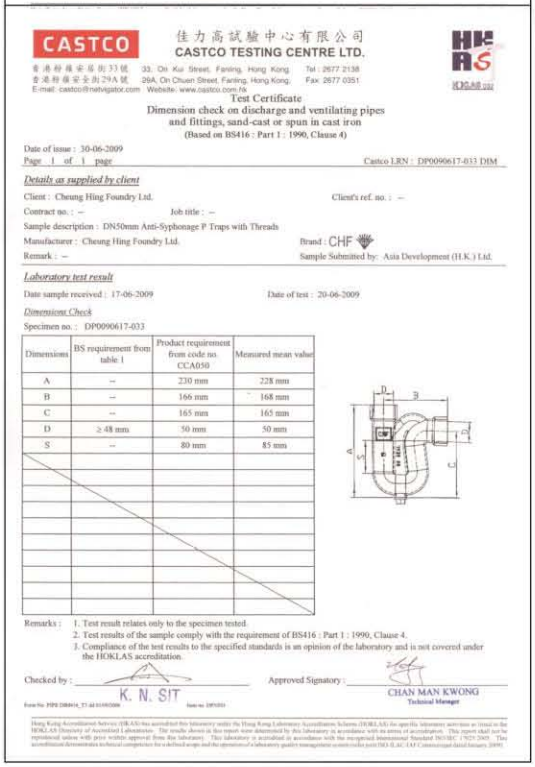
Specimen no.		DP0090617-032
Actual internal hydrostatic pressure apply		0.5 bar
Sustain period	(min)	0.5
Test result		Passed

Remarks : 1. Test results relate only to the specimen tested.
2. Test results of the sample comply with the requirement of BS416 : Part 1 : 1990 Specification for spigot and socket systems Clause 5.

Checked by: K. N. SIT Approved Signatory: CHAN MAN KWONG Technical Manager

12

50mm →



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E-mail: castco@netvigator.com Website: www.castco.com.hk

Test Certificate
Dimension check on discharge and ventilating pipes and fittings, sand-cast or spun in cast iron
(Based on BS416 : Part 1 : 1990, Clause 4)

Date of issue : 30-06-2009
Page 1 of 1 page
Castco LRN : DP0090617-033 DIM

Details as supplied by client
Client : Cheung Hing Foundry Ltd. Client's ref. no. : --
Contract no. : -- Job title : --
Sample description : DN50mm Anti-Syphonage P Traps with Threads
Manufacturer : Cheung Hing Foundry Ltd. Brand : CHF
Remark : -- Sample Submitted by: Asia Development (H.K.) Ltd.

Laboratory test result
Date sample received : 17-06-2009 Date of test : 20-06-2009
Dimensions Check
Specimen no. : DP0090617-033

Dimensions	BS requirement from table 1	Product requirement from code no. CCA050	Measured mean value
A	--	230 mm	228 mm
B	--	166 mm	168 mm
C	--	165 mm	165 mm
D	≥ 48 mm	50 mm	50 mm
S	--	80 mm	85 mm

Remarks : 1. Test result relates only to the specimen tested.
2. Test results of the sample comply with the requirement of BS416 : Part 1 : 1990, Clause 4.
3. Compliance of the test results to the specified standards is an opinion of the laboratory and is not covered under the HOKLAS accreditation.

Checked by : K. N. SIT Approved Signatory : CHAN MAN KWONG Technical Manager

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E-mail: castco@netvigator.com Website: www.castco.com.hk

Test Certificate
Leakage Test of Cast Iron Discharge and Ventilating Pipes and Fittings, Sand-cast or Spun in Cast Iron
(BS416 : Part 1 : 1990 Specification for spigot and socket systems Clause 5)

Date of issue: 30-06-2009
Page 1 of 1 page
Castco LRN: DP0090617-033 HYD

Details as supplied by client
Client : Cheung Hing Foundry Ltd. Client's ref. no. : --
Contract : -- Job title : --
Description of fitting :
Nominal size: 50 mm Length: -- Type: Anti-Syphonage P Traps with Threads
Brand name: CHF
Delivery date: -- Sample Submitted by: Asia Development (H.K.) Ltd.

Laboratory test result
Date received: 17-06-2009 Date of test: 23-06-2009

Specimen no.		DP0090617-033
Actual internal hydrostatic pressure apply		0.5 bar
Sustain period	(min)	0.5
Test result		Passed

Remarks : 1. Test results relate only to the specimen tested.
2. Test results of the sample comply with the requirement of BS416 : Part 1 : 1990 Specification for spigot and socket systems Clause 5.

Checked by: K. N. SIT Approved Signatory: CHAN MAN KWONG Technical Manager

振亞發展有限公司
ASIA DEVELOPMENT (HK) LIMITED

ECO CAST IRON PRODUCTS

IMPORTANT NOTES:

1. All drawings are not to scale and are for reference only. Users must refer to the real products for actual design, dimension and pattern. Cheung Hing Foundry (HK) Limited reserves the rights to supply products with design, dimension and pattern slightly different from those shown in this catalog.
2. The color of the fittings, parts, and accessories shown in this catalog may be slightly different from the actual products due to the difference of colors between printing and the paints.
3. Although CHF takes care to ensure that the information given in this catalog is as accurate as possible at the time of publication, it reserves the rights to make changes at its discretion as a result of developments in the industry, changes in market demands and other changes in circumstances.
4. Users must follow the installing instructions laid. All castings should benefit from proper and regular operation and maintenance.
5. According to BS416 : Part 1:1990, all cast iron fittings are subject to a tolerance of 10mm.

Should you have any queries, please feel free to contact us at telephone no.(852) 2447-1262 or Fax: (852) 2447-0198
Email : chf@chfhk.com

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06/2021