



IQ VOLUMETRICS

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PREFACE

This is the IQ Volumetrics reference guide for IQ Business & IQ Enterprise software systems.

The document will aid in the understanding and configuration of the IQ Volumetrics for it to function correctly.

Although every effort has been made to keep this IQ Volumetrics document up to date, some of the screen examples may not be 100% the same as the ones reflected in previous versions of IQ Volumetrics. This is due to the continuous development and improvement of the IQ System.

Unfortunately, there will be a discrepancy from time to time. We do apologize for the inconvenience that it may cause.

Should you feel that the IQ Volumetrics document is inadequate or requires further explanation or more and better examples, please feel free to email us.

We would love to have some feedback to improve the IQ Volumetrics document in some way or another.

Regards,

IQ Retail (PTY) LTD



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IQ VOLUMETRICS

INTRODUCTION

The Volumetrics module has been designed to provide for modifications to Volumetric input and calculations to support perimeter calculations with a rounding factor. All the associated dimension fields can be completed as predefined values within Stock Maintenance and all dimension fields support decimal places.

NOTE: Remember that the retail and selling prices will be calculated as: Rx per Volumetric calculation.

An additional system setting has been introduced to enforce the automatic pop-up action of the Volumetric input screen during processing in the processing modules. This screen will pop-up the moment the cursor reaches the quantity field for the first time. This setting is however not compulsory, in other words the Volumetrics will still work if it has not been set up.

The following Volumetrics have been defined:

- CUBES METERS length x width x height in meter
- CUBES MILLIMETERS length x width x height in millimeter
- GRAMS weight in grams
- KILOGRAMS weight in Kilograms
- LINEAR measure the perimeter of a rectangular shape, calculated as:

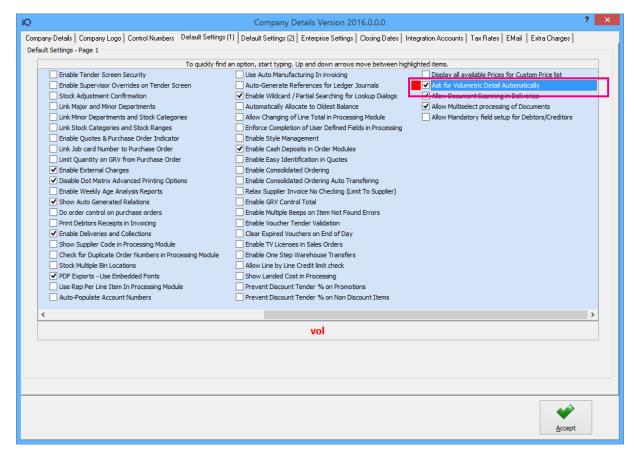
(2 x length) + (2 x width) = 2 x (length + width)

- LINEAR MILLIMETRES perimeter in millimeters
- LINEAR SQUARE METERS perimeter in meters
- LINEAR SQUARE MILLIMETERS perimeter in millimeters
- LITERS volume in liters
- METERS length in meters
- MILLILITERS volume in milliliters
- MILLIMETERS length in millimeters
- SQUARE METERS length x width in meters
- SQUARE MILLIMETERS length x width in millimeters
- UNITS no Volumetric specifications required



SETUP

The automatic pop-up of the Volumetric capture screen can be enabled in the Default Settings. From the IQ main menu \rightarrow Utilities \rightarrow Setup \rightarrow Company Details \rightarrow Default Settings (1), tick the option "Ask for Volumetric Detail Automatically". The Volumetrics capture screen will pop-up automatically, if this option is enabled. If it is disabled, the user will have to click on the drop-down arrow next to the quantity field, for the Volumetrics capture screen to pop-up.



The user must select in which of the processing modules the Volumetrics pop-up screen must appear:

iQ	Select Processing Module Version 2016.0.0.0	?	×
	Invoices and/or Recurring Charges Credit Notes Goods Receiving Returns Purchase Orders Sales Orders Quotes Job Cards		× × × ×
:	ESC Cancel F10 Accept		

NOTE: Volumetrics will not be enabled in Point of Sale (Cash Sales), it will only be available for transactions done through the processing module.



VOLUMETRICS ENABLED

If the Volumetrics pop-up was enabled and the item was for example set to measure in "Cubes Meters", the following screen will appear once the user gets to the quantity field during processing the selected processing transactions:

Cubes Meters
Toggle Input Measurement
Quantity
Length (m) 6
Width (m) 0.1
Height (m) 0.075
<u>C</u> ancel <u>A</u> ccept

NOTE: The Volumetrics setting is **not** a **centralised** or **synchronised** setting. In other words, the user will have to set up the "Ask for Volumetrics Detail Automatically" in each of the companies where it will be used.

NOTE: This setting will be implemented as a global company setting. In other words, it will apply to all the stock items on the stock list for the selected company.

STOCK MAINTENANCE

The user can enter predefined Volumetrics values for each of the Volumetric settings per stock item.

NOTE: All existing stock where Volumetrics have been specified, will have to be updated manually. No changes will be made to existing data.

For each of the following Volumetric types, the system will allow the user to capture a default measurement for capturing during processing modules for example invoicing:

- Squares (meters/millimeters) based on the assumption that default holding measurement for squares is meters.
- Linear (meters/millimeters) based on the assumption that default holding measurement for linear is meters.
- Grams, Kilograms and Tons.
- Meters and Millimeters
- Linear Squares (meters and millimeters)

The Volumetric capture screen will provide the user with a conversion (toggle) button between holding and input measurements. This serves for information purposes and ease of use for input.



iQ	Volumetric Details	? ×	iQ	Volumetri	c Details	? ×
Cubes Meters	5		Cubes Mi	illimeters		
	Toggle Input Measuremen	t 🚛		Toggle Inp	ut Measurement	5
Quantity	1		Quant	tity 1		
Length (m) 6		Lengt	h (mm) 6000		
Width (m)	0.1		Width	(mm) 100		
Height (m)	The toggle b		ample	t (mm) 75		
	changes met and vice vers		leters	3	*	
<u>C</u> ancel	Accept	:	<u>C</u> a	ncel	<u>A</u> ccept	

From the IQ main menu \rightarrow Stock \rightarrow Maintenance \rightarrow Add (to add new item) or Edit (to change an existing item).

Γ	Item Code	VOL001					Default Line Rep	¥	
							Vat Rate	1	~
Γ	Description	VOLUMETRIC	TTEM C	UBE/M			Store Serial Numbers	Tick for Yes	
-	Alternative Description						Scale Item	Tick for Yes	
	Item Category	Stock Item			Y		Report to Item		~
	Major Department	002	∨ Ha	rdware					
	Minor Department	0008	→ Bui	lding Mat			Under Batch Control	Tick for Yes	
	Categories		~				Override GRV Label Qty	Override	0
	Ranges		~				ABC Classification	Not Defined	~
	Cycle		~						
	Barcode	VOL001					Exclude from Extra Charge	Tick for Yes	
	General Code						Cost Allocation on GRV		
	Stock Type				¥				
	Colour	0	✓ No	t Defined			Generic Type	×	
	Size	0	✓ No	t Defined			Brand	×	
_							Model	~	
Γ	Item on Hold	Click for	Options				Technical Specifications	×	
	Allow Discount	Click for	Options				Supplier Hierarchy	~	
							Supplier Department	×	
Γ	Section 7 Exempt	Tick for Y	es				Tariff Code	×	
	DC Item Code						Material	~	
	Life Time (Days)				0		Assembly Type	×	
	Storage / BIN Location						Import Type	~	
	Pack Description						Color Detailed	×	
	Pack Size				0.000000	_	Inco Terms	~	
	Unit of Measure	Cubes Meter	s	✓ Rounding	0		Guarantee Terms	×	
	Length 6	Width		0.1 Height	0.075		Buyer	×	
	Disallow Decimals	Tick t	Disallo	N					
	Status								

NOTE: The system work on the assumption that the default holding measurements for squares and linear is meters.

IMPORTANT: Remember to remove the tick to Disallow Decimals when working with Volumetrics.

	Prices Type	Exclusive	Indusive	Markup %	G.P. %	Markup % (Latest Cost)	G.P % (Latest Cost)	
	Retail Price	175.4386	200.00	0.00	100.00	0.00	100.00	
	Wholesale Price	0.0000	þ.oo					
	Price 3	0.0000	0.00				l be calculated @ R	lx/
	Prce 4	0.0000	0.00	(Ve	olumetric va	lues)		
	Alternative Price 3	0.0000	0.00	(`				J
	Alternative Price 4	0.0000	0.00	0.00	0.00	0.00	0.00	
	Alternative Price 5	0.0000	0.00	0.00	0.00	0.00	0.00	
	Alternative Price 6	0.0000	0.00	0.00	0.00	0.00	0.00	
	Alternative Price 7	0.0000	0.00	0.00	0.00	0.00	0.00	
	Alternative Price 8	0.0000	0.00	0.00	0.00	0.00	0.00	
ecommen	ided Retail Based On : * Recommended G.P %	Not Assigned			Pricing	commended GP%		0.00
(Cost Level 1	0.00	Average Cost	0		ce Variant Group	~	0.00
	Cost Level 2	0.00	Latest Cost		.00	Unit Cost		0.0000
C	Cost Level 3	0.00	Base Cost	0	.00	Future Cost		0.00
0	Cost Level 4	0.00	Future Cost	0	.00			
0	Cost Level 5	0.00	Previous Cost	0	.00			
			Manager Cost		.00			

UNIT OF MEASURE

NOTE: The user must take great care when using millimeter or milliliter units to measure stock items in.

Select the appropriate Unit of Measure from the dropdown arrow at the end of the field.

ROUNDING

The user has the option to enter a predefined rounding factor for Volumetric measurements to be used during calculations.

Rounding will be supported as follows:

- UNITS Not applicable
- SQUARES (length x width) round both length and width to default measurement
- CUBES (length x width x height) round length, width and height to default measurement
- LINEAR (lengths x parts) round length to default measurement
- GRAMS (weight in grams) round to nearest x grams
- KILOGRAMS (weight in kilograms) round to nearest x kilograms
- MILLIMETERS (length in millimeters) round to nearest x millimeters
- METERS (length in metes) round to nearest x meters
- MILLILITERS (volume in milliliters) round to nearest x milliliters
- LITERS (volume in liters) round to nearest x liters

- LINEAR SQUARES METERS round length and width to nearest x meters
- LINEAR SQUARES MILLIMETERS round length and width to nearest x millimeters

NOTE: A single rounding factor will be used for both the length and width attributes. Each attribute will not have its own rounding attribute.

LENGTH, WIDTH, HEIGHT, VOLUME & WEIGHT

Predefined default measurements can be captured for each of the above-mentioned fields.

DISALLOW DECIMALS

Remove the tick from the "Disallow Decimals" field, when the units to measure are in meters, liters or kilograms.

Item Code	VOL001			Default Line Rep	×	
				Vat Rate	1	~
Description	VOLUMETRIC I	TEM CUBE/M		Store Serial Numbers	Tick for Yes	
Alternative Description				Scale Item	Tick for Yes	
Item Category	Stock Item		~	Report to Item		
Major Department	002	✓ Hardware				
Minor Department	0008	✓ Building Mat		Under Batch Control	Tick for Yes	
Categories		v		Override GRV Label Qty	Override	(
Ranges		¥		ABC Classification	Not Defined	
Cyde		¥				
Barcode	VOL001			Exclude from Extra Charge	Tick for Yes	
General Code				Cost Allocation on GRV		
Stock Type			~			
Colour	0	✓ Not Defined		Generic Type	×	
Size	0	✓ Not Defined		Brand	×	
				Model	✓	
Item on Hold	Click for Op	tions		Technical Specifications	¥	
Allow Discount	Click for Op	tions		Supplier Hierarchy	v	
				Supplier Department	¥	
Section 7 Exempt	Tick for Yes	;		Tariff Code	¥	
DC Item Code				Material	¥	
Life Time (Days)			0	Assembly Type	¥	
Storage / BIN Location				Import Type	¥	
Pack Description				Color Detailed	¥	
Pack Size			0.000000	Inco Terms	×	
Unit of Measure	Cubes Meters	✓ Rounding	0	Guarantee Terms	~	
Length 6	Width	0.1 Height	0.075	Buyer	¥	
Disallow Decimals	Tick to [Disallow				
Status						



PROCESSING

If the "Ask for Volumetric Detail Automatically" option has been enabled in the Company's Default settings (1), the Volumetrics screen will pop-up automatically once the cursor reaches the quantity field for any Volumetrics item.

iQ	Volumetric Details ? ×
Cubes Meters	
	Toggle Input Measurement 🛛 🚛
Quantity	2
Length (m)	6
Width (m)	0.1
Height (m)	0.075
	✓
<u>C</u> ancel	Accept

NOTE: If there were any default measurements captured for the item (in Stock Maintenance), these values will automatically be populated in the Volumetric Details. These values can however be override with different values.

	IQ Enterp	rise: IQ TRAINING - [Goods Rec	eiving Version 2016.0.0.0]		- 🗇 🗙
Processing Debtors Creditors S	Stock Ledger Utilities Support	Point of Sale CRM Window	vs Help Shortcuts		- 📼 🛛
ccount Details	GRV Details	Additional Details	Stock Item Deta	1	Totals
ccount No XYZ001 V	GRV Date 05/05/2016 👻	Store Department	Item Code	VOL001	GRV Indusive
	Orig. Doc Date 05/05/2016 💌	Source Document Not Applic	able Description	VOLUMETRIC ITEM CUBE/M	O Yes No
	GRV Number	Source Bocamente	Pack Size	0	
5 Gordon Avenue	Delivery Method		Pack Description	1	
tellenbosch	Order Number		Department	002	
600 🗸			Group Code	0008	Internal Order No
		Volumetrics	Sales Orders	4.5	
el	Supplier Invoice No XYZINV986725	Quantity	2 Purchase Orders	s 0	Goods Total 10.35
mail xyz@somewhere.co.za	GRV Memo	Lenght	6 Deliveries	0	Discount Amnt 0.00
RV Disc % 0.00 -	Delivery Note No	Width	0.1 Current Stock	0	Vat Amount 1.45
		Height	0.075 Regular Supplier		Total Quantity 0.09
Code Descriptio	20	Type Unit Price	Additional Cost (Excl)	Qty Warehouse	Disc % Total
	TRIC ITEM CUBE/M		.15.00	0.090 0 3	0.00 10.35

The Qty and Total (line Total) fields will display the calculated values for the item. Each Volumetric item's information will be displayed in the little block above. Click on each item to see the measurements for that specific item.

If the "Ask for Volumetric Detail Automatically" option has not been enabled in the Company's Default settings (1) or to make amendments to already confirmed measurement data, the dropdown arrow in the quantity field must be used to enter measurement data.

STOCK TAKE

The user has the option to **Enable** Volumetric Detail, when a new Stock Take is setup. This option allows the user to Enable Volumetric Detail only on the Stock Take bin locations or departments where they are required.

STOCK TAKE SETUP

Setup Options Stock Take Type			
Complete Stoc			
O Department St	ock Take		
Location	001 Warehouse A001	~	
Track Lay-byes (Or	ly if stock is removed from the floor)		
Track Work In Prog	ress (Only if stock is removed from the floor)		
Track Deliveries an	d Collections (Only for stock still on floor)	✓	
Populate Count Qu	antity With Available Stock Only		
Write Off All Items	NOT Counted		
Place NOT Counted	Items On Hold		
Hide Onhand & Ava	il Onhand Columns		
Automatically Lipda	te / Maintain Bin Locations		
Enable Volumetric D	etail	✓	
Show Sell Price		~	
Finalization Date	Stock Take Start Date	~	
Cost Price that will calculate stock gai the stock take is fin	/loss when	~	
			*
Supervisor Logon	Cancel		Qk

Tick the box next to "Enable Volumetric Detail" and click on OK to finalise the Setup of the Stock Take.

All stock will be counted as normal and captured as normal, but as soon as the user reaches the Count Quantity field for the Volumetrics item, the Volmetrics capturing screen will pop-up to enable capturing of specific measurements. The system will then use these measurements to calculate the quantity as displayed in the Stock count.

iQ		Physical S	itock Take Version 2016.0.0.0		? ×
	Sort Order	Capture Para	meters	Volumetrics	Captured Storage / Bin / Countshee
	(Unsorted	Enter The Str	orage / Bin Location / Countsheet Number	r Quantity 3	
	0	1	sidge y bir Ebeddor y Ebdirtsheet Hamba		
i Ret		1		Lenght 6	
I I I I I I I I I I	O Bin Location	Enable Impo	rt of Zero Quantity	Width 0.1	
ENTER	Description	Disable Chec	king on Duplicate Items	0.1	
	O Major Department			Height 0.075	
	Minor Department				
			L		
Stock Take Items					
		iQ	Volumetric Details ? ×		
Item Code	Description	Cubes Meters		Available Onhand Marked Price	
VOL001	VOLUMETRIC ITEM CUBE/M	-	Toggle Input Measurement 🛛 🛄	0 -4.5	e Count Quantity
999980	Testing1		Toggle Input Measurement 🛛 🚛	0 0	
999981	Testing2	Quantity	5	0 0	0
999982	Testing3		_	0 0	0
999983	Testing4	Length (m)	6	0 0	10
999984	Testing5			0 0	0
999985	Testing6	Width (m)	0.1	0 0	0
999986	Testing7	Uninha (m)	0.075	0 0	0
999987	Testing8	Height (m)	0.075	0 0	0
999988	Testing9			0 0	0
999989	Testing 10			0 0	0
999990	Testing11		· · · · · · · · · · · · · · · · · · ·	0 0	0
999991	Testing12	<u>C</u> ancel	Accept	0 0	0
999992	Testing13			0 0	0
999993	Testing14			00	0
999994	Testing15	002		0 0	0
MON001	Monitor LED 23 *** - Serial Number Item	002 0002	2	0 0	0
RC002	Armed Respons	002 0002	FR1	0 0	0
JCI001	Job Card Stock Item - 1	002 0002	1	0 0	-5 🗸
Record Count: 30					
Enter the stock code, press	SESC to exit or press CTRL + DEL to dele	te a line			
100					
<u>S</u> earch <u>I</u> m	port a Range Import all data for Bir	n Im <u>p</u> ort a D	epartment <u>D</u> elete Record	Import Scanned Data	t Options Save



To see the measurements for the next volumetrics item, move the cursor to the specific item and the captured measurements for that item will be displayed.

--- End of document ---

