

# IQ VOLUMETRICS Version 2

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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



# CONTENTS

IQ VOLUMETRICS	4
INTRODUCTION	4
SETUP	5
VOLUMETRICS ENABLED	6
STOCK MAINTENANCE	6
SELLING PRICES FOR VOLUMETRICS	8
UNIT OF MEASURE	8
DISALLOW DECIMALS	9
PROCESSING	10
STOCK TAKE	11



# **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 Ch Credit Notes Goods Receiving Returns Purchase Orders Sales Orders Quotes Job Cards	arges		<b>&gt; &gt; &gt; &gt; &gt; &gt;</b>
Selection ESC C	ancel 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:

iQ	Vol	umetric Details ?	x
Cub	es Meters		
	Т	oggle Input Measurement 🛛 🔝	
C	Quantity	1	
L	.ength (m)	6	
	Width (m)	0.1	
÷	Height (m)	0.075	
	Cancel	Accept	

**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	V	olumetric Details	? ×
Cubes Meter	s Toggle Input Measurement 🗔		ubes Millimeters	s Toggle Input Measuremen	t 🚛
Quantity	1	2	Quantity	1	
Length (m	1) 6		Length (mm)	6000	
Width (m)	0.1		Width (mm)	100	
Height (m	) 0.075 The toggle button changes meters to	for example millimeters	Height (mm)	75	
	and vice versa.			*	
<u>C</u> ancel	Accept		Cancel	Accep	t

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

				Vat Rate	1	
Description	VOLUMETRIC ITEM	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 v H	Hardware				
Minor Department	0008 🗸 E	Building Mat		Under Batch Control	Tick for Yes	
Categories	~			Override GRV Label Qty	Override	
Ranges	~			ABC Classification	Not Defined	
Cycle	~					
Barcode	VOL001			Exclude from Extra Charge	Tick for Voc	
General Code				Cost Allocation on GRV		
Stock Type			~			
Colour	0 1	Not Defined		Generic Type	~	
Size	0 1	Not Defined		Brand	~	
				Model	~	
Item on Hold	Click for Option	s		Technical Specifications	~	
Allow Discount	Click for Option	s		Supplier Hierarchy	~	
				Supplier Department	×	
Section 7 Exempt	Tick for Yes			Tariff Code	v	
DC Item Code				Material	v	
Life Time (Days)			0	Assembly Type	×	
Storage / BIN Location				Import Type	~	
Pack Description				Color Detailed	~	
Pack Size		0.0	00000	Inco Terms	~	
Unit of Measure	Cubes Meters	V Rounding	0	Guarantee Terms	~	
Length 6	Width	0.1 Height	0.075	Buyer	~	
Disallow Decimals	Tick to Disa	low			-	
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.



### SELLING PRICES FOR VOLUMETRICS

)			Stock Amendr	ments IQ TRAIN	IING Version 2	2016.0.0.0		?
Stack Dataila	Stock Pricing	ta Ì Multiple Parcedo	Them Suppliant	Additional Dataila	Acception of the second second	a Transaction His	taru   Orderina	
Set in of Stock	Selling Prices	ita   Murupie barcoue	s   ttem suppliers		Associated Item	is   mansacuon his		
Setup of Stock	C Selling Frices							
	Prices Type	Exclusive	Inclusive	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			a ·		
	Price 3	0.0000	0.00	The	e Retail Selli	ng Prices wil	i be calculated @ R	x/
	Prce 4	0.0000	0.00	(Vc	olumetric va	lues)		
	Alternative Price 3	0.0000	0.00					
	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	
Recommen	ided Retail Based On :				Pricing			
	* Recommended G.P %	Not Assigned			De	commended CD%		0.00
0	Cost Level 1	0.00	Average Cost	0	00 Pr	ice Variant Group		0.00
	Cost Level 2	0.00	Latest Cost	0.	00	Unit Cost	•	0.0000
0	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 F	Previous Cost	0.	00			
		Ν	lanager Cost	0.	00			
								<b>V</b>
Show Hints								Accept

#### **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.

	VOL001			Default Line Rep	¥	
				Vat Rate	1	
Description	VOLUMETRIC IT	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	<ul> <li>Building Mat</li> </ul>		Under Batch Control	Tick for Yes	
Categories		<b>v</b>		Override GRV Label Qty	Override	
Ranges		×		ABC Classification	Not Defined	-
Cycle		v				
Barcode	VOL001			Exclude from Extra Charge	Tick for Yos	
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	~	
				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			0.00000	Inco Terms	~	
	Cubes Meters	V Rounding	0	Guarantee Terms	~	
Unit of Measure		0.1 Height	0.075	Buyer	~	
Unit of Measure	Width				- L	
Unit of Measure	Width	isallow				



## 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	IQ Enter	prise: IQ TRAINING - [Goods Receiving Vers	sion 2016.0.0.0] 🗕 🗇 🗙
Processing Debtors Creditors	Stock Ledger Utilities Support	Point of Sale CRM Windows Help	Shortcuts – 🖝 🗙
Account Details	GRV Details	Additional Details	Stock Item Detail Totals
Account No XYZ001 V	GRV Date 05/05/2016 💌	Store Department	, Item Code VOL001
Name and Address Details	Orig. Doc Date 05/05/2016 -	Source Document Not Applicable	Description VOLUMETRIC ITEM CUBE/M
XYZ Wholesalers	GRV Number		Pack Size 0
45 Gordon Avenue	Delivery Method		Pack Description
Stellenbosch	Order Number		Department 002
7600 🗸			Group Code 0008 Internal Order No
		Volumetrics	Sales Orders 4.5
Tel	Supplier Invoice No XYZINV986725	Quantity 2	Purchase Orders 0 Goods Total 10.35
Email xyz@somewhere.co.za	GRV Memo	Lenght 6	Deliveries 0 Discount Amnt 0.00
GRV 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 Descrip	tion	Type Unit Price Additio	onal Cost (Excl) Qty Warehouse Disc % Total ^
VOLUN	ETRIC ITEM CUBE/M	CP 115.00	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			
	Consider the Charles The			
	Complete Stock Ta	ake		
	O Department Stock	Take		
	Location	001 Warehouse A001	~	
	Track Lay-byes (Only if	f stock is removed from the floor)		
	Track Work In Progress	s (Only if stock is removed from the floor)		
	Track Deliveries and Co	ollections (Only for stock still on floor)	•	
	Populate Count Quanti	ity With Available Stock Only		
	Write Off All Items NOT	T Counted		
	Place NOT Counted Ite	ams On Hold		
	Hide Onhand & Avail Or	Inhand Columns		
	Automatically Lipdate /	Maintain Bin Locations		
	Enable Volumetric Deta	al	✓	
	Show Sell Price		~	
	Finalization Date	Stock Take Start Date	~	
	Cost Price that will be u calculate stock gain/los the stock take is finalise	ised to Average Cost iss when ed	~	
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.

			Physical St	ock Take Version 2016.0.0.0			? ×
	Sort Order	С	apture Paran	neters	Volumetri	ics	aptured Storage / Bin / Countshee
	Unsorted	Б	nter The Stor	age / Bin Location / Countsheet Number	Quantity	3	
	O Item Code	Ē	1				
()Potail			•		Lenght	6	
Vnetall		E	Enable Import	of Zero Quantity	Width	0.1	
ENTERPRISE	ODescription	D	isable Check	ing on Duplicate Items			
	Major Department			_	Height	0.075	
	O Minor Department						
				L			
ock Take Items							
		iQ		Volumetric Details 🥤 🍊 🔼			
		0	ibes Meters				
Item Lode Description	n	-			Ava	allable Unhand   Marked Price	
VOL001 VOLUMETR	RIC ITEM CUBE/M			Toggle Input Measurement	0	-4.5	72 💌
999980 Testing1			Quantity		0	0	
999981 Testing2			Quantity		0	0	0
999962 Testing5			Length (m)	6	0	0	10
000094 Testing5					0	0	10
000085 Testing5			Width (m)	0.1	0	0	0
999986 Testing7					0	0	0
999987 Testing8			Height (m)	0.075	0	0	0
999988 Testing9					0	0	0
999989 Testing 10		1			0	0	0
999990 Testing11				✓	0	0	0
999991 Testing12			Cancel	Accept	0	0	0
999992 Testing 13			Gander	Accept	0	0	0
999993 Testing14				541	0	0	0
999994 Testing15		002			0	0	0
MON001 Monitor LE	D 23 "" - Serial Number Item	002	0002	2	0	0	0
RC002 Armed Res	spons	002	0002	FR1	0	0	0
JCI001 Job Card S	Stock Item - 1	002	0002	1	0	0	-5 🗸
ecord Count: 30							
r the stock code, press ESC to exi	t or press CTRL + DEL to dele	te a line					
							9 🖌
Search Import a Dans	Import all data for Pi	-	Import a Da	Delate Record	Tonnart C	Conned Data Report	Ontions Shue
Search Import a Rand	import all data for Bi		inport a De	parunent <u>D</u> elete Record	Import	Scanned Data Report	opuons save



After capturing the stock quantities, the user click on the volumetrics items and the measurements will be displayed in the top right half of the screen, as seen above.

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 ---

