Key Figures of BW IM

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Stock figures

Listed criteria for each key figure is based on Standard SAP inventory process and is aligned in all BW queries (where applicable).

All figures are based on following specifications:

Purchasing document type	INFLOW	OUTFLOW
Other transaction/vendor	Other receipt	Other issue
Purchase order/vendor	Goods receipt/vendor	Returns receipt/vendor
Scheduling agreement/vendor	Matl transfer posting/receipt	Matl trnsfr posting/outbound
Returns order/vendor	StAdj InvD+	StAdj InvD-
Returns/vendor	StAdj Other+	StAdj Other-
Other transaction/within a CC	Receipt from transfer posting	Issue from transfer posting

Total stock

Total stock = Receipt Quantity* (Inflow) - Issue Quantity* (Outflow)

> **Value of Total stock is not measured*

Total Stock can be divided into Internal, External and Other Stock based on Stock type:

Internal stock

Internal stock = Unrestricted Use (A) + Restricted Use (E) + Stock in Transit + Q Stock + Blocked Stock + Block Stock returns (C)

External stock

External stock = Customer Consignment, unrestricted use (K, N) + Stock in subcontractors (R, Q) + Customer consignment. restricted use (M)

Other stock

Other stock = Stock Transfer (F) + Material Provided By Customer (G) + Customer Consignment in Quality Inspection (L) + Customer Returnable Packaging in Quality Inspection (O) + Customer Returnable Packaging, Restricted Use (P) + Stock of Material Provided to Vendor, Restricted Use (S) + Tied Empties (T) + Consumption (V)

Valuated stock

Valuated stock = Receipt Quantity/Value (Inflow)* - Issue Quantity/Value (Outflow)**

Stock category	Sales order stock (E) **or** Project stock (Q)
Indicator: Valuation of Special Stock	Valuation without reference to sales document (A) **or** Separate valuation with ref. to sales document /project (M)

> **Inflow in PF1 application: Debit/credit indicator = Debit Posting or Receiver Debit Posting*
>
> ***Outflow in PF1 application: Debit/credit indicator = Credit Posting or Sender Credit Posting*

Stock in quality inspection (Q-Stock)

Q-Stock = Receipt Quantity/Value (Inflow) - Issue Quantity/Value (Outflow)

Stock category	Valuated stock ( ) **or** Sales order stock (E) **or** Returnable transport packaging (M) **or** Project stock (Q) *Excluded categories:* *Vendor consignment stock (K)* ***or*** *Blocked stock returns (R)* ***or*** *Consumption (V)**
Stock type	Quality Inspection (B) **or** Customer Consignment in Quality Inspection (L) **or** Customer Returnable Packaging in Quality Inspection (O) **or** Materials Provided to Vendor in Quality Inspection (R)

> **to be verified*

Stock in transit

Stock in transit = Receipt Quantity/Value (Inflow) - Issue Quantity/Value (Outflow)

Stock type	Stock Transfer (F) **or** Transit (H)

Blocked stock

Blocked stock = Receipt Quantity/Value (Inflow) - Issue Quantity/Value (Outflow)

Stock category	Valuated stock ( ) **or** Sales order stock (E) **or** Returnable transport packaging (M) **or** Project stock (Q) *Excluded categories:* *Vendor consignment stock (K)* ***or*** *Blocked stock returns (R)* ***or*** *Consumption (V)**
Stock type	Blocked Stock (D)

> **to be verified*

Consignment stock

Consignment stock = Receipt Quantity/Value* (Inflow) - Issue Quantity/Value* (Outflow)

> **Value measured at Customer*

Stock category	Vendor consignment stock (K)
Stock type	Customer Consignment, Unrestricted Use (K) **or** Customer Consignment in Quality Inspection (L) **or** Customer Consignment, Restricted Use (M) **or** *Restricted-Use (E)**

> **to be verified*

Scrap

Issue Quantity/Value

Specification not applicable, Scrap is measured via following Movement Types:

Movement type	551	GI scrapping
	552	RE scrapping
	553	GI scrapping QI
	554	RE scrapping QI
	555	GI scrapping blocked
	556	RE scrapping blocked

Production figures

Listed criteria for each key figure is AS-IS analysis based on "BW - Stock Movement All Types (core query)" query.

After the initial analysis, we will progress with functional re-validation, adjustments and alignment of all queries.

Global Sales

Sales = external + inter company + intraco + consignment

External Sales

External = Sale external (+) - Sale external (-)

Quantity/Value	Movement Type	Description
Sale external (+)	231	GI for sales order (WP1&PF1)
Sale external (+)	232	RE for sales order (WP1&PF1)
Sale external (+)	601	GD goods issue:delvy (WP1&PF1)
Sale external (+)	602	RE goods deliv. rev. (WP1&PF1)
Sale external (-)	651	GD ret.del. returns (WP1&PF1)
Sale external (-)	652	GD ret.del. retn rev (WP1&PF1)
Sale external (-)	653	GD returns unrestr. (WP1&PF1)
Sale external (-)	654	GD returns unr. rev. (WP1&PF1)

Sale external (-)	655	GD returns QI (WP1&PF1)
Sale external (-)	656	GD returns QI rev. (WP1&PF1)
Sale external (-)	657	GD returns blocked (WP1&PF1)
Sale external (-)	658	GD returns blk. rev. (WP1&PF1)

Inter company

Inter company = Sale inter company (+) - Sale inter company (-)

Quantity/Value	Movement Type	Description
Sale inter company (+)	643	TF to cross company (WP1&PF1)
Sale inter company (+)	644	TR to cross company (WP1&PF1)
Sale inter company (+)	645	TF cross company (WP1&PF1)
Sale inter company (+)	646	TR cross company (WP1&PF1)
Sale inter company (-)	673	TF to cross company (WP1&PF1)
Sale inter company (-)	674	TR to cross company (WP1&PF1)
Sale inter company (-)	675	TR cross company (WP1&PF1)
Sale inter company (-)	676	TF cross company (WP1&PF1)

Intracompany

Intraco = Sale Intraco (+) - Sale Intraco (-)

Quantity/Value	Debit/credit indicator	Movement Type	Description
Sale Intraco (+)	H (credit)	303	TF rem.fm.stor.to pl (WP1&PF1)
Sale Intraco (+)	H (credit)	641	TF to stck in trans. (WP1&PF1)
Sale Intraco (+)	H (credit)	647	TF to stck in trans. (WP1&PF1)
Sale Intraco (+)	H (credit)	672	TF to stck in trans. (WP1&PF1)
Sale Intraco (+)	H (credit)	678	TF to stck in trans. (WP1&PF1)
Sale Intraco (-)	S (debit)	304	TR rem.fm.stor.to pl (WP1&PF1)
Sale Intraco (-)	S (debit)	642	TR to stck in trans. (WP1&PF1)
Sale Intraco (-)	S (debit)	648	TR to stck in trans. (WP1&PF1)
Sale Intraco (-)	S (debit)	671	TR to stck in trans. (WP1&PF1)
Sale Intraco (-)	S (debit)	677	TR to stck in trans. (WP1&PF1)

Consignment

Consignment = Sale Consignment (+) - Sale Consignment (-)

Quantity/Value	Debit/credit indicator	Movement Type	Description
Sale Consignment (+)	H (credit)	631	GI consgmt: lending (WP1&PF1)
Sale Consignment (-)	S (debit)	632	GI consgmt:ret.delvy (WP1&PF1)

Global Consumption

Consumption = internal + sub-contracting

Internal

Quantity/Value	Movement Type	Description
internal	261	GI consgmt: lending (WP1&PF1)
internal	262	GI consgmt:ret.delvy (WP1&PF1)

Sub-contracting

Quantity/Value	Movement Type	Description
sub-contracting	543	GI consgmt: lending (WP1&PF1)
sub-contracting	544	GI consgmt:ret.delvy (WP1&PF1)

Global Procurement

Global Procurement = Procurement External + Procurement Inter Company + Procurement Intraco + Procurement Consignment

External

Procurement External = Procurement External (+) - Procurement External (-)

Quantity /Value	movement indicator	Item category in purchasing document	special stock indicator	supplying plant	order type (purchasing)	Movement Type	Description
Procurement External (+)	B (movement for a purchase order)	0 (standard)	K (not equal to Consignment (vendor))	# (not assigned)	UB; LU (not equal Stock transport ord. or Transp. sched. agmt.)	101	GR goods receipt
Procurement External (+)	B (movement for a purchase order)	0 (standard)	K (not equal to Consignm ent (vendor))	# (not assigned)	UB; LU (not equal Stock transport ord. or Transp. sched. agmt.)	102	GR for PO reversal
Procurement External (+)	B (movement for a purchase order)	0 (standard)	K (not equal to Consignm ent (vendor))	# (not assigned)	UB; LU (not equal Stock transport ord. or Transp. sched. agmt.)	131	Goods receipt
Procurement External (+)	B (movement for a purchase order)	0 (standard)	K (not equal to Consignm ent (vendor))	# (not assigned)	UB; LU (not equal Stock transport ord. or Transp. sched. agmt.)	132	Goods receipt
Procurement External (-)	B (movement for a purchase order)	0 (standard)	K (not equal to Consignm ent (vendor))	# (not assigned)	UB; LU (not equal Stock transport ord. or Transp. sched. agmt.)	122	RE return to vendor
Procurement External (-)	B (movement for a purchase order)	0 (standard)	K (not equal to Consignm ent (vendor))	# (not assigned)	UB; LU (not equal Stock transport ord. or Transp. sched. agmt.)	123	RE rtrn vendor rev.

Inter Company

Procurement Inter Company = Procurement Inter Company (+) - Procurement Inter Company (-)

Quantity/Value	movement indicator	special stock indicator	supplying plant	order type	Movement Type	Description
Procurement Inter Company (+)	B (movement for a purchase order)	K (not equal to Consignment (vendor))	# (not assigned)	NB (Standard PO)	101	GR goods receipt
Procurement Inter Company (+)	B (movement for a purchase order)	K (not equal to Consignment (vendor))	# (not assigned)	NB (Standard PO)	102	GR for PO reversal
Procurement Inter Company (+)	B (movement for a purchase order)	K (not equal to Consignment (vendor))	# (not assigned)	NB (Standard PO)	131	Goods receipt
Procurement Inter Company (+)	B (movement for a purchase order)	K (not equal to Consignment (vendor))	# (not assigned)	NB (Standard PO)	132	Goods receipt
Procurement Inter Company (-)	B (movement for a purchase order)	K (not equal to Consignment (vendor))	# (not assigned)	NB (Standard PO)	161	GR returns
Procurement Inter Company (-)	B (movement for a purchase order)	K (not equal to Consignment (vendor))	# (not assigned)	NB (Standard PO)	162	GR rtrns reversal

Intraco

Procurement Intraco = Procurement Intraco (+) - Procurement Intraco (-)

Quantity/Value*	debit/credit	Movement Type	Description
Procurement Intraco (+)	H (credit)	304	TR rem.fm.stor.to pl
Procurement Intraco (+)	H (credit)	642	TR to stck in trans.
Procurement Intraco (+)	H (credit)	648	TR to stck in trans.
Procurement Intraco (+)	H (credit)	671	TR to stck in trans.
Procurement Intraco (+)	H (credit)	677	TR to stck in trans.
Procurement Intraco (-)	S (debit)	303	TF rem.fm.stor.to pl
Procurement Intraco (-)	S (debit)	641	TF to stck in trans.
Procurement Intraco (-)	S (debit)	647	TF to stck in trans.
Procurement Intraco (-)	S (debit)	672	TF to stck in trans.
Procurement Intraco (-)	S (debit)	678	TF to stck in trans.

*different use of KF: 0QUANT_B instead of K_MOVEQTY

Consignment

Procurement Consignment = Procurement Consignment (with order) - Procurement Consignment (without order)

Quantity/Value	special stock indicator	Movement Type	Description
Procurement Consignment (with order)	K (Consignment (vendor))	501	Receipt w/o PO
Procurement Consignment (with order)	K (Consignment (vendor))	502	RE receipt w/o PO
Procurement Consignment (without order)	K (Consignment (vendor))	102	GR for PO reversal
Procurement Consignment (without order)	K (Consignment (vendor))	101	GR goods receipt
Procurement Consignment (without order)	K (Consignment (vendor))	131	Goods receipt
Procurement Consignment (without order)	K (Consignment (vendor))	132	Goods receipt

Global Production

Production = Internal Production + Sub Contracting Production

Internal

Internal Production = Principal Production + Co-product Production + By-product Production

Quantity/Value	movement indicator	subcontracting flag	material co-product	Movement Type	Description
Principal	F (movement for a work order)	S (no flag)	-	101	GR goods receipt
Principal	F (movement for a work order)	S (no flag)	-	102	GR for PO reversal
Principal	F (movement for a work order)	S (no flag)	-	131	Goods receipt
Principal	F (movement for a work order)	S (no flag)	-	132	Goods receipt
Co-product*	-	-	C	531	Receipt by-product
Co-product*	-	-	C	532	RE by-product
By-product**	-	-	C	531	Receipt by-product
By-product**	-	-	C	532	RE by-product

> **Co-product is produced along with with the main product and carries equal importance*
>
> ***By-product is an output from a production process which can be useful/sellable or only waste. It is not a planned product*

Sub Contracting

Sub Contracting Production = Sub Contractor Production MM + Sub Contractor Production PP + Sub Contractor Co-product Production + Sub Contractor By-product Production

Quantity/Value	movement indicator	subcontracting flag	material co-product	Item category in purchasing document	special stock indicator	Movement Type	Description
Sub Contractor MM	B (movement for a purchase order)	-	-	3 (subcontracting)	K (not equal to Consignment (vendor))	101	GR goods receipt
Sub Contractor MM	B (movement for a purchase order)	-	-	3 (subcontracting)	K (not equal to Consignment (vendor))	102	GR for PO reversal
Sub Contractor MM	B (movement for a purchase order)	-	-	3 (subcontracting)	K (not equal to Consignment (vendor))	131	Goods receipt
Sub Contractor MM	B (movement for a purchase order)	-	-	3 (subcontracting)	K (not equal to Consignment (vendor))	132	Goods receipt
Sub Contractor PP	F (movement for a work order)	S	-	-	-	101	GR goods receipt
Sub Contractor PP	F (movement for a work order)	S	-	-	-	102	GR for PO reversal
Sub Contractor PP	F (movement for a work order)	S	-	-	-	131	Goods receipt
Sub Contractor PP	F (movement for a work order)	S	-	-	-	132	Goods receipt
Sub Contractor Co-product	-	-	C	-	-	545	Rcpt SC by-product
Sub Contractor Co-product	-	-	C	-	-	546	GI issue SC by-prod.
Sub Contractor By-product	-	-	C	-	-	545	Rcpt SC by-product

Sub Contractor By-product	-	-	C	-	-	546	GI issue SC by-prod.

Neutralized Production (LIP00)

Neutralized Production (LIP00) = Principal + Co-Product + By-product + Sub Contractor PP + Sub Contractor Co-product + Sub Contractor By-product - Global Consumption - Neutralized Consumption (LIP00)

Quantity/Value	Movement Type	Description
Neutralized Consumption (LIP00)	261	GI for order
Neutralized Consumption (LIP00)	262	RE for order
Neutralized Consumption (LIP00)	543	GI issue sls.ord.st.
Neutralized Consumption (LIP00)	544	GI receipt sls.or.st

Transfer Debit

Quantity/Value	Debit/credit indicator	Movement Type	Description
Transfer Debit	S (debit)	311	TF tfr. within plant
Transfer Debit	S (debit)	323	TF quality in plant
Transfer Debit	S (debit)	325	TF blocked in plant

Transfer Credit

Quantity/Value	Debit/credit indicator	Movement Type	Description
Transfer Credit	H (credit)	311	TF tfr. within plant
Transfer Credit	H (credit)	323	TF quality in plant
Transfer Credit	H (credit)	325	TF blocked in plant