

SCREEN - Pack. Purchasing analysis

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The aim of Purchasing query is to provide users with a transversal view in qty/value of Packaging Materials purchasing in WP1 and PF1at following steps:

- [Agreements & Info Records](#)
- [Orders](#)
- [Good Receipt \(GR\)](#)
- [Invoice Receipt \(IR\)](#)

It mainly includes Purchase orders data (with Creation date greater than 01.2018)

- Packaging items are filtered according to Material Valuation Class: WP1 Z110 (GL Account 31000300) and PF1 Z051 (2110110000)



PO items w/o a Material (i.e. only assigned to a Material Group) are excluded from the report

- Both PO items for stock entry (see Acct Assignment Category #) and PO items assigned to a CO object like a Cost Center, a Maint. Order... (see <> #) are taken into accounts
- Additional Delivery costs are included in GRs/IRs valuation

It also includes FIGL data:

- Consignment GRs/IRs w/o a PO (with a Posting date greater than 01.2018)
=> Same filter based on Material Val. Class in KOS/KBS FI items (see accounts WP1 40100380 / PF1 2320000000)
- Price diff. on GRs/IRs (with a Posting date greater than 01.2018) - To get Standard values in addition with POs values
=> Same filter based on Material Val. Class in PRD/AKO FI items (see accounts WP1 98151982 / PF1 6091311100)

Data update

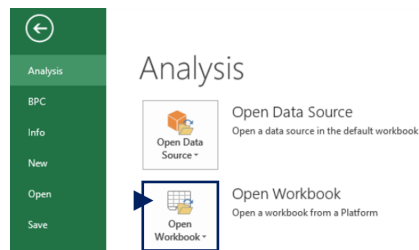
- Purchase orders data: once a day in the morning (French time)
=> Sources are the same than the ones used in [SPRINT - Solvay Purchasing Reporting INTelligence](#)
- FI data: at least 3 times a day

Access the workbook

The workbook to be used is **BW_WBK_SCREEN_0002 – Pack. Purchasing analysis (Core Workbook)**

=> Go to Analysis for Office in excel

=> Click "Open Workbook"



Run the workbook

It is mandatory to enter:

- Conso view (2) : enter 1 to apply the legal entity

consolidation rate or **0** not to take the consolidation rate into consideration

- Calendar Month/Year (3) : MM.YYYY : Document fiscal period (Purchase order creation date / Goods Receipt posting date / Invoice Receipt posting date)

It is also possible to enter:

- a Company Code (4)
- a Plant (5)
- a PRS Company code (6)
- Target Curr. for conversion (7) : the exchange rate used is **CA R3** (same as **SPRINT - Solvay Purchasing Reporting INTElligence**)
- BFC GBU (8)

Click "OK"

The screenshot shows the SAP purchase order creation screen. Numbered callouts indicate the following fields: 1. Auth. scope based on Comp. Code (Selection option, ...), 2. * Conso. view? (1=Yes/0=No), 3. * Calendar Month/Year (Interval, Mandatory), 4. Company Code (Multiple Values, Optional), 5. Plant (Selection Option, Optional), 6. PRS Company code (Selection option, Optional), 7. Target Curr. for conversion (Single value, Optional), 8. 1 - BFC GBU (Selection option, Optional).

The report is displayed with :

Company Code	Plant	PO Nb	PO Item	Material	Agreement Unit Price	InfoRecord Unit Price	Target curr.	Target curr.
4503216613	10	1060793	STEEL DRUM 217L PO 9/9/9 RAW BLUE	27,22	21,10	27,22	21,10	21,10

- The company code
- The plant
- PO Nb & PO Item (=Purchase order)
- The list of materials
- [Agreements & Info Records](#)
- [Ordered](#)
- [Goods receipt](#)
- [Invoice receipt](#)

Agreements & Info Records

PO Nb	PO Item	Material	Agreement Unit Price	InfoRecord Unit Price	Target curr.	Target curr.
4503216613	10	1060793	STEEL DRUM 217L PO 9/9/9 RAW BLUE	27,22	21,10	21,10

- [Agreement Unit price](#) (in local & target currency)
- [Info record Unit price](#) (in local & target currency)



Not all Purchase orders are created with reference to an Agreement/InfoRecord

Where to find corresponding data in SAP ?

Display the Purchase order with **ME23N** - [Display Purchase Order](#). In the header:

- Double click on "Outline agreement" to display Contract (= transaction ME33K - Display Contract)

Standard PO	Vendor	Doc. date
4503216613	62638 3F DI FERRECCI SILVAN...	08.01.2018

Header	Info rec.	Outline agreement
5300012893	4700001414	

The screenshot shows the SAP Display Contract screen. Numbered callouts indicate the following fields: 1. Target Quantity, 2. Net Order Price.

2. Double click on "Info rec." to display Info Record (= transaction ME13 - Display Info Record)

Display Info Record: Purch. Organization Data 1

General Data Conditions Texts

Info record 5300012893

Vendor 62638 3F DI FERRECCHI SILVANO SPA

Material 1060793 STEEL DRUM 217L PO 9/9/9 RAW BLUE

Material Group 0310 METALLIC DRUMS

Purchasing Org. 3002 Plant 7851 Standard

Control

Pl. Deliv. Time 3 Days Tol. Underdl. 10,0 % ☐ No MText

Purch. Group YFG Tol. Overdl. 10,0 % ☒ Ackn. Rqd

Standard Qty 276 PC ☐ Unlimited Conf. Ctrl 2011

Minimum Qty 0 PC ☒ GR-Bsd IV Tax Code BL

Rem. Shelf Life 0 D ☐ No ERS

Shippg Instr.

Max. Quantity 0 PC Procedure Rndg Prof. UoM Group

Conditions

Net Price 21,10 EUR / 1 PC **2** id to 31.12.9999

Effective Price 21,10 EUR / 1 PC No Cash Disc.

Qty Conv. 1 PC <-> 1 PC Cond. Grp

Pr. Date Cat. 1 Purchase Order

Incoterms

Ordered

1. **PO Qty**: Ordered qty in PO UoM & in Material base UoM
2. **PO value**: Ordered value in PO Currency & in Local (Company code) currency or in any Target currency if entered in prompt
3. **PO Unit Price**: Ordered value in Local curr. / Ordered qty in PO UoM & Ordered value in target curr. / Ordered qty in PO UoM

PO Nb.	PO Item	Material	PO Qty PO UoM	PO Qty Base UoM	PO Value PO Curr.	PO Value Loc./Target Curr.	PO Unit Price (PO UoM) Local Curr.	PO Unit Price (PO UoM) Target Curr.
4503216613	10	1060793	276	276	4.482,24	4.482,24	16,24	16,24

Where to find corresponding data in SAP ?

Display the Purchase order with **ME23N - Display Purchase Order**. In the header, the PO Qty (1) & PO Unit Price (3) can be displayed.

Standard PO 4503216613 Vendor 62638 3F DI FERRECCHI SILVANO Doc. date 08.01.2018

Header

Item	Material	Short Text	PO Quantity	Deliv. Date	Net Pri...	Curr...	Per	O...
10	1060793	FUSTI FERRO GREZZO	276	19.01.2018	16,24	EUR	1	PC

Standard PO 4503216613 Vendor 62638 3F DI FERRECCHI SILVANO Doc. date 08.01.2018

Header

Item	Material	Short Text	PO Quantity	Deliv. Date	Net Pri...	Curr...	Per	O...
10	1060793	FUSTI FERRO GREZZO B...	276	19.01.2018	16,24	EUR	1	PC

★ PO UoM vs Material base UoM

- **PO UoM** = Unit of measure maintained in the Purchase order
- **Material base UoM** = Unit of measure maintained in the Material master data (**MM03 - Display Material - Purchasing view**)

Display Material 1060793 (/Packaging)

Additional Data Org. Levels

Sales text Purchasing Foreign trade import Purchase order text

Material 1060793 STEEL DRUM 217L PO 9/9/9 RAW BLUE

Plant 7851 8090 Ospiate Di Bollate

General Data

Base Unit of Measure PC piece Order Unit Var. OUn

Purchasing Group 001 Material Group 0310

Plant-sp.matl status Valid from

Tax ind. f. material Qual.f.FreeGoodsDis.

Material freight grp ☒ Autom. PO

☐ Batch management

Goods Receipt

1. **GR qty:** Quantity received in PO UoM & in Material base UoM
2. **GR value:** Value of goods received in PO Currency & in Local (Company code) currency or any Target currency if entered in prompt
3. **GR unit price:** GR value in Local curr. / GR qty in PO UoM & GR value in Local /Target curr. / GR qty in PO UoM
4. **GR Price diff.:** difference between GR value and standard value ★ of stock entry, in PO & Local or Target curr., when posted in GR doc.

★ Standard value = GR qty * Material standard price

PO No.	PO Item	Material	GR Qty PO UoM	IR Qty Base UoM	GR Value PO Curr.	GR Value Loc./Target Curr.	GR Unit Price (PO UoM) Local Curr.	GR Unit Price (PO UoM) Target Curr.	GR Price diff. Doc. Curr.	GR Price diff. Loc./Target Curr.
4502216613	01	6060793	276	276	4.482,24	4.482,24	16,24	16,24	-187,60	-187,60

Where to find corresponding data in SAP ?

Display the Purchase order with **ME23N** - **Display Purchase Order** & open the tab "Purchase Order History" to see the goods receipt.

Standard PO		45032144613	Vendor	62638 3F DI FERRECCI SILVANO	Doc. date	08.01.2018
Header						
Item Overview						
Item [10] 1060793, FUSTI FERRO GREZZO BLU A...						
Material Data Quantities/Weights Delivery Schedule Delivery Invoice Conditions Purchase Order History Texts						
Sh. Text * MvT Posting Date Entry Date Material Doc. No. Quantity UoM S.Amt. in loc. curr. Cr. Cr. Amount S.Delivery Time of Ent. *						
GR 101 22.01.2018 22.01.2018 5020827677 276 PC 4.482,24 EUR 4.482,24 0 09:26:39						
Tr./Ev. Goods receipt PC 4.482,24 EUR 4.482,24 0						
IR-L 30.04.2018 30.04.2018 5113047398 276 PC 4.517,57 EUR 4.517,57 0 14:37:10						
Tr./Ev. Invoice receipt PC 4.517,57 EUR 4.517,57 0						

Consignment

There are specific indicators to follow-up consignment:

1. **GR Consign. qty:** in Material base UoM
2. **GR Consign. value:** in Doc. Curr. & in Local (Company code) curr. or any Target curr. if entered in prompt
3. **GR unit price:** GR Consign. value in Doc. curr. / GR Consign. qty in base UoM & GR Consign. value in Local /Target curr. / GR Consign. qty in base UoM
4. **GR Price diff.:** difference between GR Consign. value and standard value of stock entry, in Doc. & Local or Target curr.

				1		2		3		4	
Plant	PO No.	PO Item	Material	GR Consign. Qty PO UoM	IR Consign. Value Base UoM	GR Consign. Value Doc. Curr.	GR Consign. Value Loc./Target Curr.	GR Unit Price (PO UoM) Local Curr.	GR Unit Price (PO UoM) Target Curr.	GR Price diff. Doc. Curr.	GR Price diff. Loc./Target Curr.
SWF	#	#			FC	EUR	EUR			EUR	EUR
			CYL 30L 229K110 300BAR	PT 586	62	7.747,30	7.747,50	103,30	103,30	-42,00	-42,00

i GR Unit Price & Price diff. columns/ratios are the same for both standard and consignment GR

Invoice Receipt

1. **IR qty:** Invoice receipt in PO UoM & in Material base UoM
2. **IR value:** Invoice receipt in PO Currency & in Local (Company code) currency or any Target currency if entered in prompt

PO No.	PO Item	Material	IR Qty PO UoM	IR Qty Base UoM	IR Value PO Curr.	IR Value Loc./Target Curr.	IR Unit Price (PO UoM) Local Curr.	IR Unit Price (PO UoM) Target Curr.	IR Price diff. Doc. Curr.	IR Price diff. Loc./Target Curr.
4502216613	01	6060793	276	276	4.517,57	4.517,57	16,37	16,37	35,33	35,33

3. IR unit price: Invoice value in Local curr. / IR qty in PO UoM & IR value in Local/Target curr. / IR qty in PO UoM
4. IR Price diff.: difference between GR value and standard value of stock entry, in PO & Local or Target currency, when posted in IR doc.

★ Standard value = IR qty * Material standard price

Where to find corresponding data in SAP ?

Display the Purchase order with **ME23N** - **Display Purchase Order** & open the tab "Purchase Order History" to see the invoice receipt.

Sh. Text	MvT	Posting Date	Entry Date	Material Document	Quantity	UoM	Amt. in Loc. Cur.	Cr. Cr.	Amount	Delivery	Time of Ent.
GR	101	22.01.2018	22.01.2018	5020627677	276	PC	4 482,24	EUR	4 482,24	0	09:26:39
Tr./Ev. Goods receipt							4 482,24	EUR	4 482,24	0	
IR/L	30.04.2018	30.04.2018	30.04.2018	5113047398	276	PC	4 517,57	EUR	4 517,57	0	14:37:10
Tr./Ev. Invoice receipt							4 517,57	EUR	4 517,57	0	

Consignment

As for goods receipt, there are specific indicators to follow-up consignment invoices:

Plant	PO	NB	PO Item	Material	P1 Desc	NB	IR Consign. Qty	IR Consign. Value	IR Unit Price	IR Price diff.
0001	1	1		201104000	CTL 30L 220X1100 300BAR	PF076	620	66 483,00	107,50	107,50

1. IR Consign. qty: in Material base UoM
2. IR Consign. value: in Doc. Curr. & in Local (Company code) curr. or any Target curr. if entered in prompt
3. IR unit price: GR Consign. value in Doc. curr. / GR Consign. qty in base UoM & GR Consign. value in Local /Target curr. / GR Consign. qty in base UoM
4. IR Price diff.: difference between IR Consign. value and standard value of stock entry, in Doc. & Local or Target curr.

i As Consignment invoices are auto invoices (MRKO tr.), no IR Price diff. should occur

i IR Unit Price & Price diff. columns/ratios are the same for both standard and consignment IR

Other Screen packaging workbooks

- **SCREEN - Pack. Inventory analysis** — The aim of Inventory query is to provide users with an helicopter view in qty/value of Packaging stocks in WP1 and PF1
- **SCREEN - Pack. Manuf. Consumption analysis** — The aim of this query is to provide users with a transversal view of Packaging material consumption in production process in WP1 and PF1
- **SCREEN - Pack. Purchasing analysis** — The aim of Purchasing query is to provide users with a transversal view in qty/value of Packaging Materials purchasing in WP1 and PF1

