

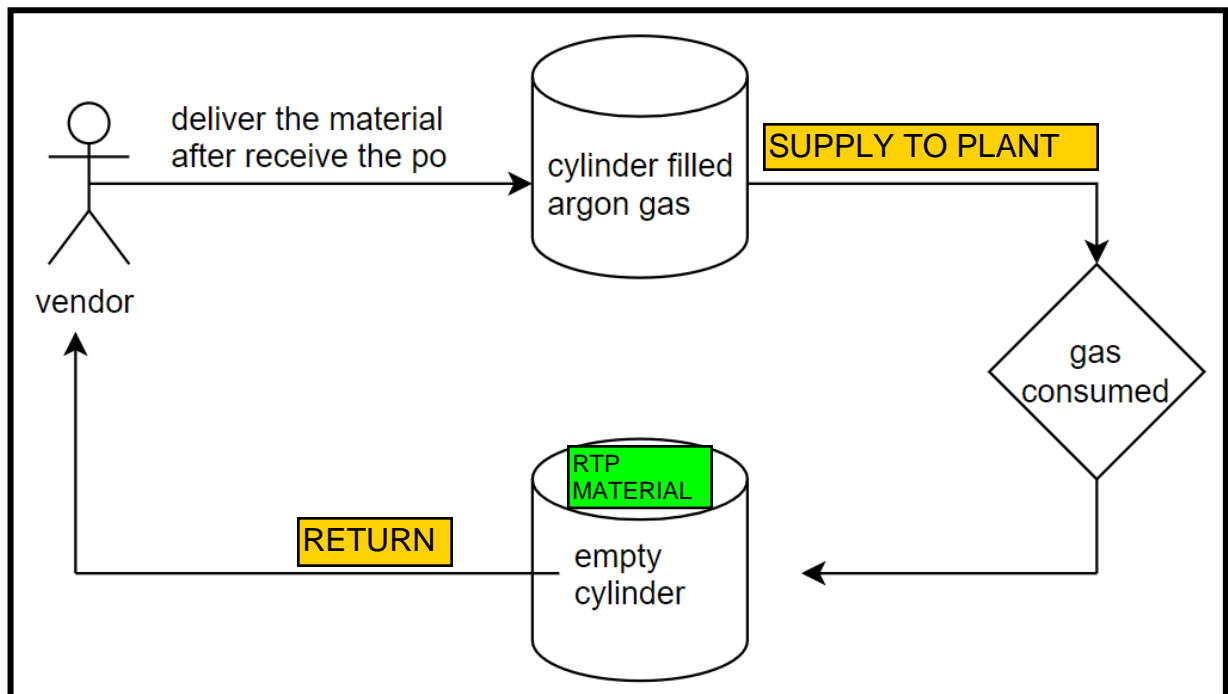
## **RETURNABLE TRANSPORT PACKAGING**

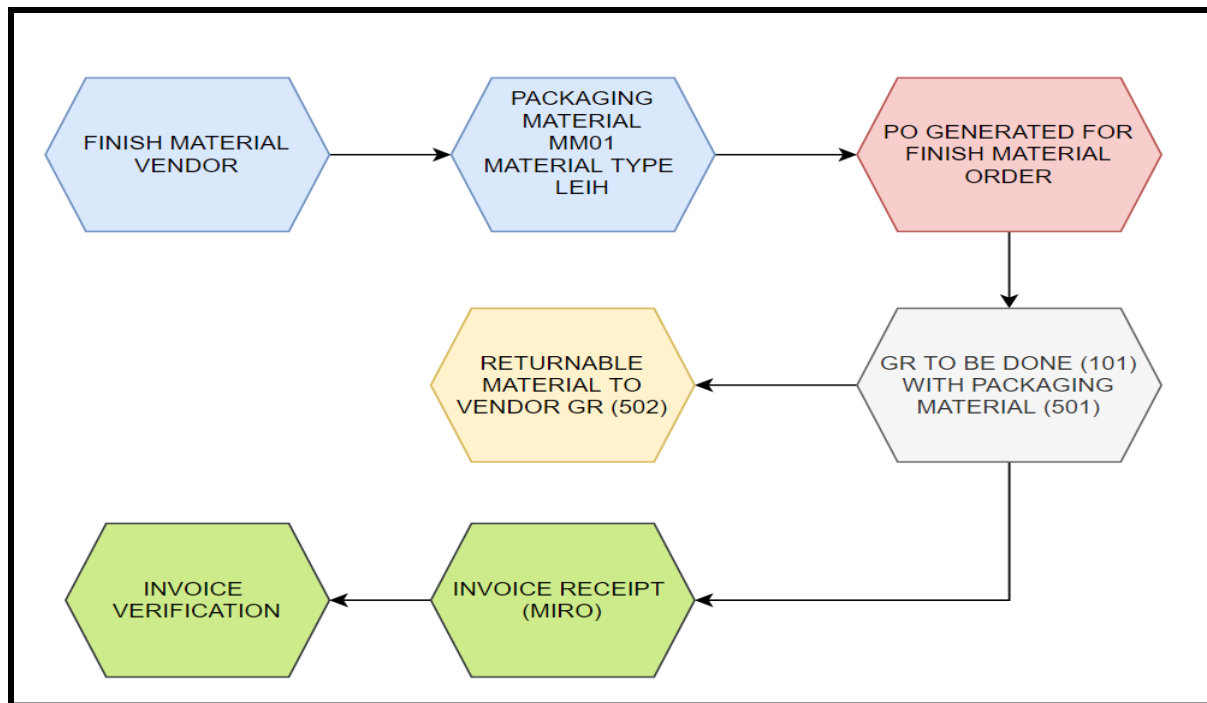
### **WHAT IS RTP**

- It is a special type of procurement.
- Generally when we place the order to vendor some expensive material, vendor send the material with some packaging material , we have to return the packaging material to vendor ex. ice board plastic container.
- Transport packaging is a medium in which goods can be transported more than once between customer and vendor.

### **BUSINESS SCENARIO**

- Suppose in plant A they need argon gas monthly basis 10 cylinder of 10 kg gas each
- Vendor send the gas in cylinder we do invoicing for gas value
- But for sending gas(material) they need special packaging cylinder
- Vendor can't afford to send every time new cylinder for supply gas
- So vendor ask to return the empty cylinder, we send the returnable packaging material i.e cylinder to vendor by movement type 502
- In above scenario empty cylinder system consider as a returnable packaging material





## STEP 1 CREATE VENDOR

- Vendor 0000098006 has been created for company code 1000 purchasing organization P973

## STEP 2 CREATE FINISH MATERIAL

- I Have created new material (gas) with material type FERT

The screenshot shows the SAP Material Master creation screen. The 'Material' field contains '10135' and the 'Material Description' field contains 'IRGON GAS'. A red box highlights these fields. Below the 'Material' field, the 'General Data' section is visible, including fields for 'Base Unit of Measure' (KG), 'Material Group' (12000000), and 'Material authorization group'. A yellow box with the text 'I CREATED ONE MATERIAL MATERIAL TYPE : FERT' is overlaid on the screen, with an arrow pointing to the 'Material' field.

### STEP 3 CREATE RETURNABLE TRANSPORT MATERIAL WITH MATERIAL TYPE (LEIH)

**Display Material 320 (Returnable packaging)**

Additional Data Org. Levels

Plant data / stor. 2 Accountin... Accounting 2 Plant stock Stor. loc. stck WM Execution WM ...

Material 320 empty cylinder of 10 kg capacity  
Plant CB50 MUMBAI PLANT

General Data

Base Unit of Measure PC Pieces Valuation Category  
Currency EUR Current period 09 2022  
Division Price determ. ☐ ML act.

Current valuation

Valuation Class 3050 Proj. stk  
VC: Sales order stk Price Unit 1  
Price control V Standard price 0,00  
Moving price 150,00 Total Value 0,00  
Total Stock 0 ☐ Valuated Un  
Future price 0,00 Valid from  
Previous price 0,00 Last price change

RETURNABLE TRANSPORT MATERIAL WITH MATERIAL TYPE LEIH

### STEP 4 CREATE PO

- Now plant A purchase dept Create Po For Gas Material I.E 10135 For Vendor 98006

**Create Purchase Order**

Document Overview On Hold Park Print Preview Messages Personal Setting Save As Template Load from Template

NB Standard PO Vendor 98006 shati gas supplier loc. date 08.09.2022

Delivery/Invo... Conditions Texts Address Communication Partners Additional Data Org. Data Status Payment Processing Versions

Purch. Org. P973 org a  
Purch. Group AB1 SPARES  
Company Code 1000 BestRun Germany

STANDARD PO CREATED TO ORDER FINISH MATERIAL I.E GAS

Item	Material	Short Text	PO Quantity	Unit	Deliv. Date	Net Price	Curre...	Per	OPU	Matl Group	Plant
10	10135	ARGON GAS	100 KG	D	08.09.2022	200,00	EUR	1	KG	Chemicals incl	MUMBAI PLANT

Item 1 [ 10 ] 10135, ARGON GAS

Material D... Quantities/Weights Delivery Schedule Delivery Invoice Conditions Texts Delivery Address Confirmations Condition Control Retail

S... C Delivery Date Sched. Qty Time Stat. Del. Dte GR Qty Purchase Req. Requ... N... Open Quantity Sch... P...

## STEP 5 : GOOD RECEIPT WITH PACKAGING MATERIAL

Now vendor send the material to plant A , we entered as a good receipt but gas we cannot receive directly so we have to receive material in packaging form i.e (cylinder)

When we enter material as a goods receipt we have to add packaging material that we received along with material (movement type 501)

**Goods Receipt Purchase Order - CHAITANYA003**

Show Overview | Hold | Check | Post | Help

A01 Goods Receipt | R01 Purchase Order | Plant | GR goods receipt | 101

Gene... Vendor

Document Date: 08.09.2022 | Delivery Note: | Vendor: shati gas supplier  
Posting Date: 08.09.2022 | Bill of Lading: | HeaderText: |  
1 Individual Slip | GR/GI Slip No.:

Line	Sta...	Mat. Short Text	OK	Qty in UnE	EUn	SLoc	Batch	Valuation Ty...
1		ARGON GAS	✓	100	KG	SL FOR CB50		

Material: ARGON GAS | 10135

Vendor Material: 100 KG GAS WE RECEIVE

Material Group: 00000

TO ADD PACKING MATERIAL CLICK

Document is O.K. | SAP | MIGO | visuehp

**Goods Receipt Purchase Order - CHAITANYA003**

Show Overview | Hold | Check | Post | Help

A01 Goods Receipt | R01 Purchase Order | Plant | GI receipt to RTP | 501 M

Gene... Vendor

Document Date: 08.09.2022 | Delivery Note: | Vendor: shati gas supplier  
Posting Date: 08.09.2022 | Bill of Lading: | HeaderText: |  
1 Individual Slip | GR/GI Slip No.:

Line	Sta...	Mat. Short Text	OK	Qty in UnE	EUn	SLoc	G/L Account	Batch	Valuation Ty...	M...	D Stock Typ...
1		ARGON GAS	✓	100	KG	SL FOR CB50				101 +	Unrest
2		empty cylinder of 10 kg capacity	✓	10	PC	SL FOR CB50				501 +	Unrest

Material: ARGON GAS | 10135

Vendor Material: 100 KG GAS WE RECEIVE

Material Group: 001

I ADDED TRANSPORT PACKAGING MATERIAL I.E CYLINDER

Weight: 320

Document is O.K. | SAP | MIGO | visuehp7 | OVR | 15:21 08-09-2022

## STEP 6 : CHECK STOCK OF MATERIAL MMBE

**Stock Overview: Basic List**

Selection

Material: 320 empty cylinder of 10 kg capacity  
Material Type: LEIH Returnable packaging  
Unit of Measure: PC Base Unit of Measure: P

Stock Overview

Client/Company Code/Plant/Storage Location

Full

- 1000 BestRun Germany
  - CB50 MUMBAI PLANT
    - SL01 SL FOR CB50
      - RT Packaging

Unrestricted use

Qual. inspection

10,000

TRANSPORT PACKAGING MATERIAL IS AT PLANT LOCATION

**Stock Overview: Basic List**

Selection

Material: 10135 ARGON GAS  
Material Type: CBH ROH MATERIAL A  
Unit of Measure: KG Base Unit of Measure: KG

Stock Overview

Client/Company Code/Plant/Storage Location/Batch/Special Stock

Full

- 1000 BestRun Germany
  - CB50 MUMBAI PLANT
    - SL01 SL FOR CB50 160000

Unrestricted use

Qual. inspection

100,000

100,000

100,000

100,000

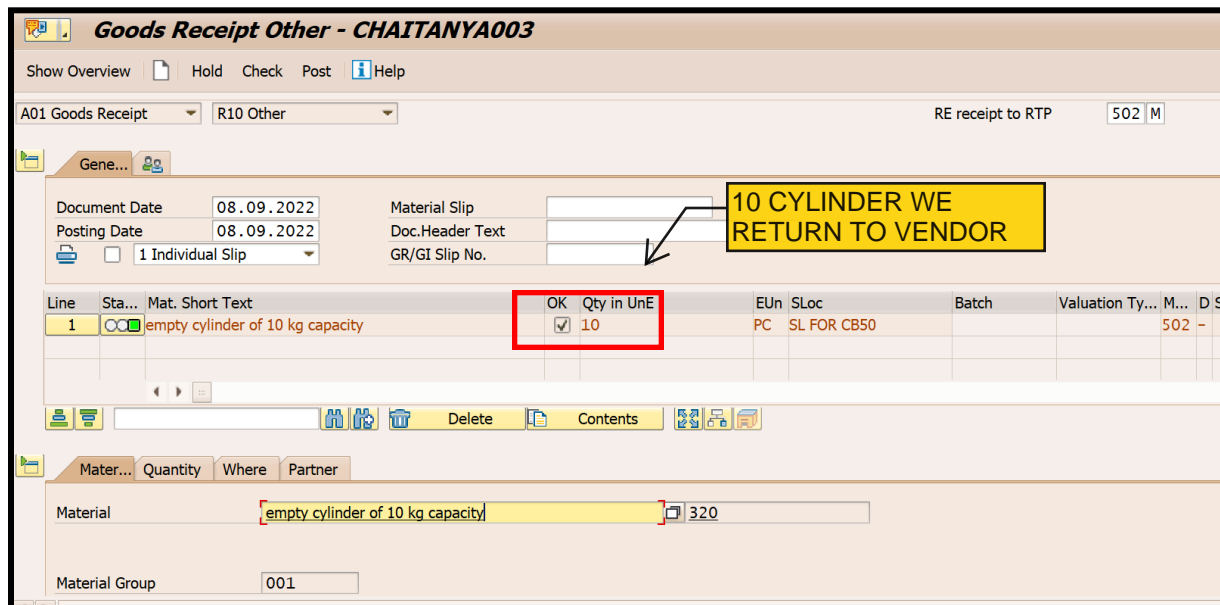
100 KG WE RECEIVED

## STEP 7 : RETURN THE TRANSPORT PACKAGING MATERIAL

Now plant A received the material and consumed the material for production use

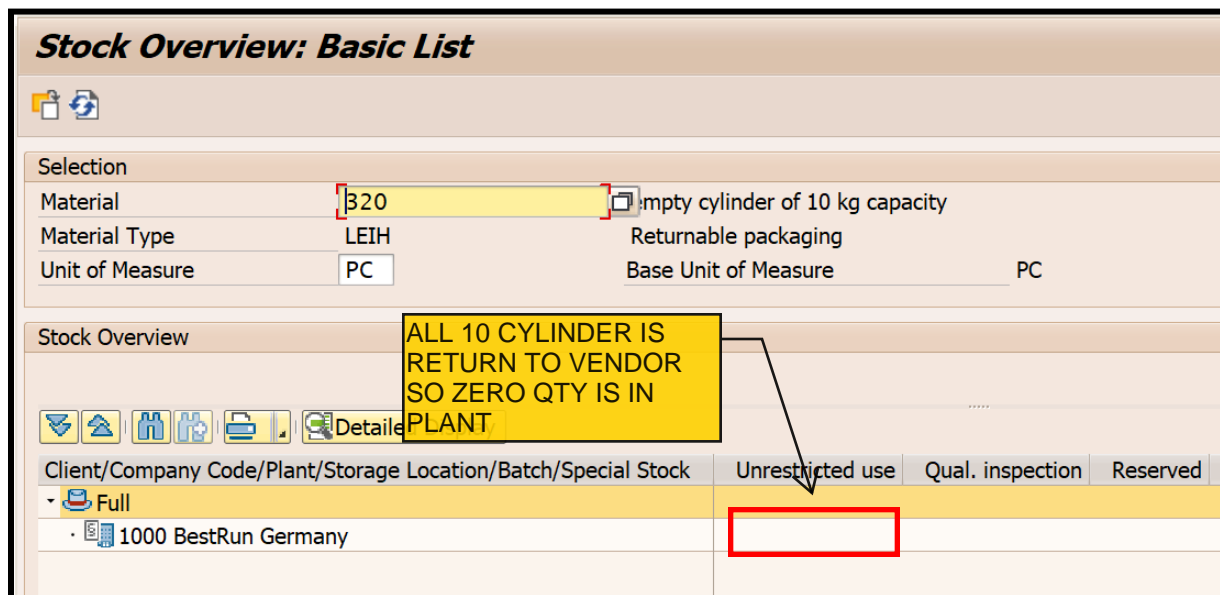
Now vendor ask plant A to return empty cylinder

Plant A have to return transport packaging material (cylinder) to vendor by movement type 502



The screenshot shows the SAP 'Goods Receipt Other' transaction for document CHAITANYA003. The document type is 'A01 Goods Receipt' and the movement type is '502 M'. The document date and posting date are both 08.09.2022. The material is 'empty cylinder of 10 kg capacity'. The quantity is 10, and the unit of measure is 'PC'. The stock location is 'SL FOR CB50'. A yellow callout box with an arrow pointing to the quantity field says '10 CYLINDER WE RETURN TO VENDOR'. The 'OK' checkbox is checked, and the 'Qty in UnE' is 10. The 'Material' field at the bottom shows 'empty cylinder of 10 kg capacity' and the 'Material Group' is '001'.

Now we can check stock for returnable material MMBE



The screenshot shows the 'Stock Overview: Basic List' for material 'empty cylinder of 10 kg capacity'. The material number is 320, the material type is 'LEIH', and the unit of measure is 'PC'. The stock location is '1000 BestRun Germany'. A yellow callout box with an arrow pointing to the 'Unrestricted use' column says 'ALL 10 CYLINDER IS RETURN TO VENDOR SO ZERO QTY IS IN PLANT'. The 'Unrestricted use' column is highlighted with a red box.

## STEP 8 : INVOICE RECEIPT

Plant A consumed the gas for production & last step 7 we send empty cylinder to vendor

But we have to do payment for gas material that plant a received

Invoice process is same as p2p cycle

**Enter Incoming Invoice: Company Code 1000**

Show PO structure Show worksheet Hold Simulate Messages Help

Transaction: 1 Invoice Balance: 0,00 EUR  
Diff. Posting: Not Applicable

Basic D... Payment Details Tax Contacts Note

Invoice date: 08.09.2022 Reference:   
Posting Date: 08.09.2022  
Amount: 22.000,00 EUR ☒ Calculate tax  
Tax amount: 2.000,00 11 11 (Input tax 10%)  
Text:   
Paymt terms: Due immediately  
Baseline Date: 08.09.2022  
Company Code: 1000 BestRun Germany Frankfurt

PO Refere... G/L Account Material Contract Reference

20.000,00	100 KG	4500025897 10	ARGON GAS
-----------	--------	---------------	-----------

Item Search Term 1 / 1

**PAYMENT FOR GAS MATERIAL**