

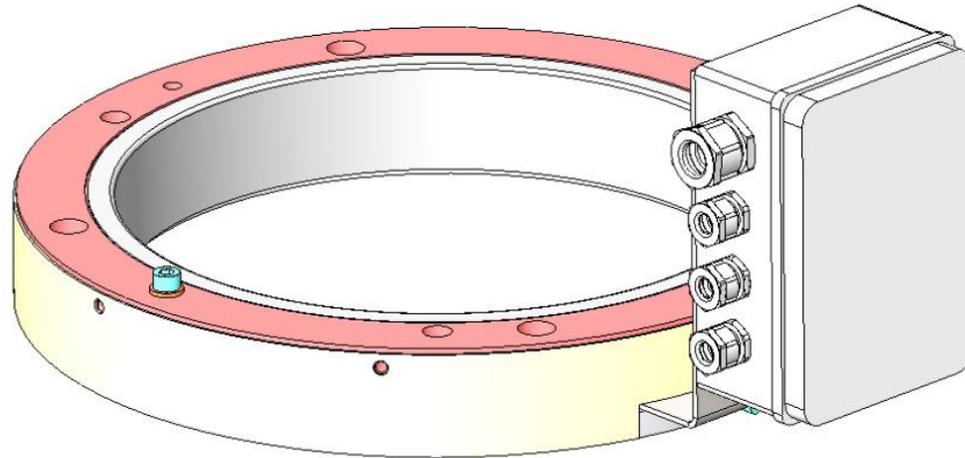
# Ryng

## DESIGN CRITERIA

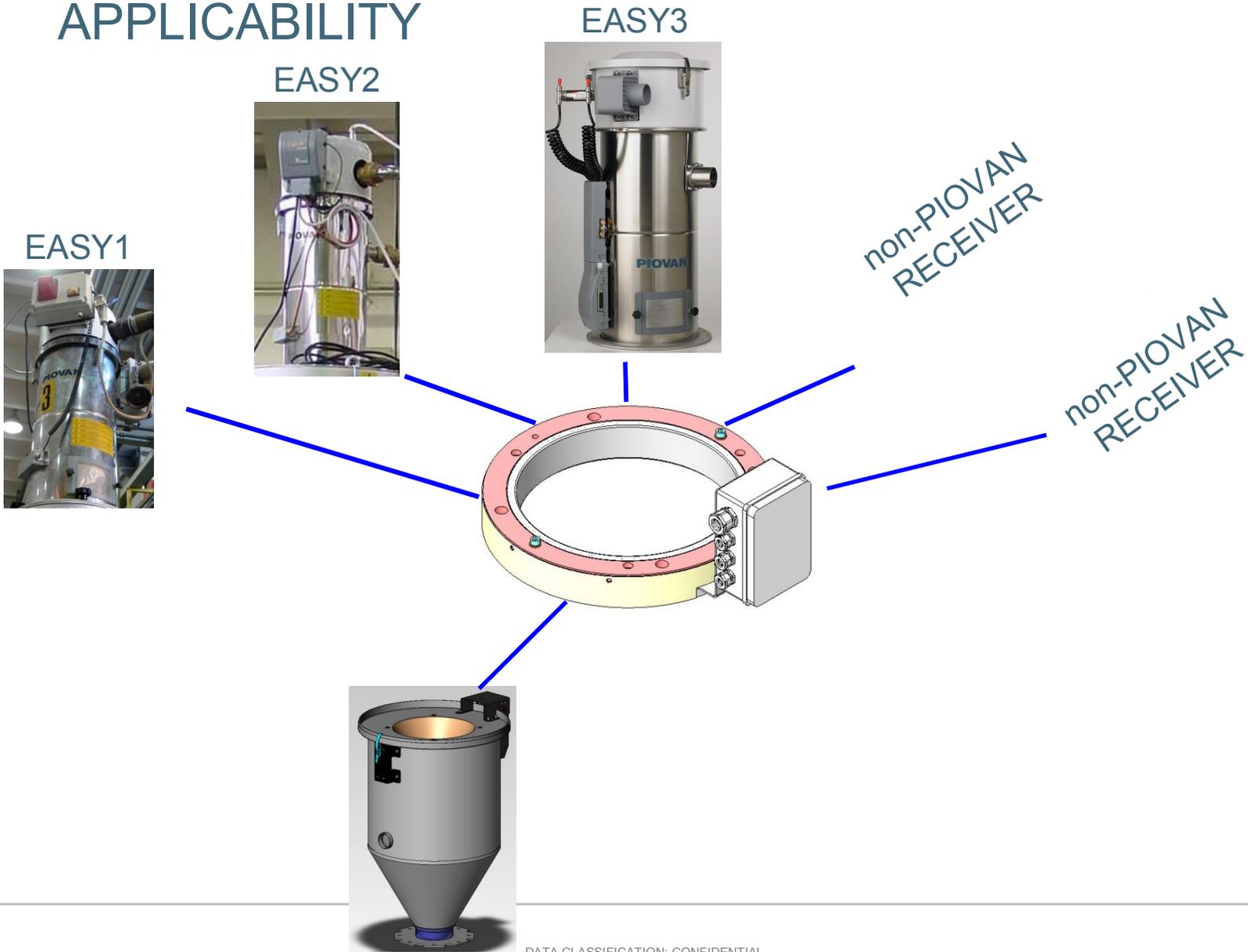
- WEIGHING OF THE CHARGE OF MATERIAL FOR EACH LOADING CYCLE OF A VACUUM RECEIVER
- OBTAIN THE QUANTITY OF MATERIAL BEING PROCESSED
- GENERATE INFORMATION FOR THE MONITORING OF PRODUCTION LOTS
- TO BE SUFFICIENTLY COMPACT FOR INSTALLATION BETWEEN VACUUM RECEIVER AND VESSEL UNDERNEATH.
- TO INTERFACE WITH WinFactory
- FOR INSTALLATION WITH PIOVAN AND NON-PIOVAN RECEIVERS

## THE DEVICE

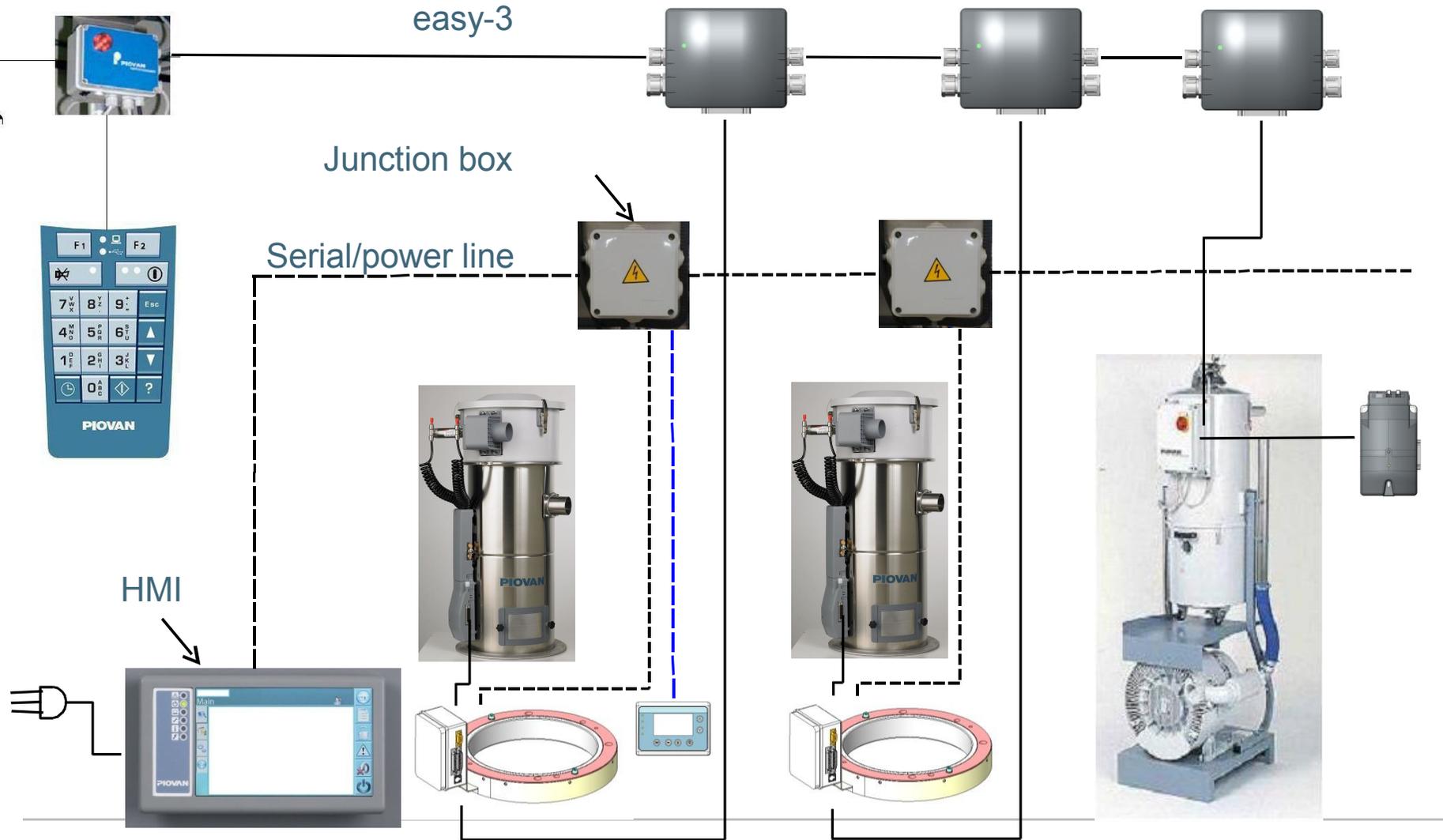
- ONE WEIGHING RING TO BE INSTALLED AT THE BASE OF THE RECEIVER
- ONE CONNECTION BOX FOR THE EXCHANGE OF SIGNALS TO THE RECEIVER (ON, OFF, STATR LOADING)
- ONE JUNCTION BOX FOR THE SERIAL CONNECTION
- ONE CENTRAL HMI
- ONE INDIVIDUAL LOCAL CONTROL PANEL (OPTION)



## APPLICABILITY



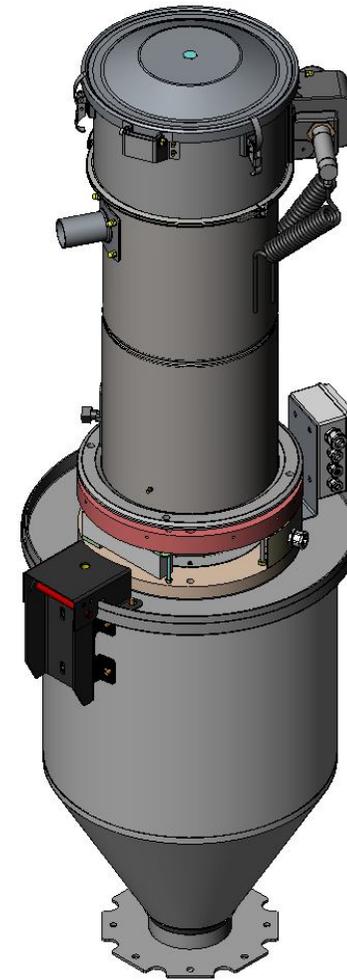
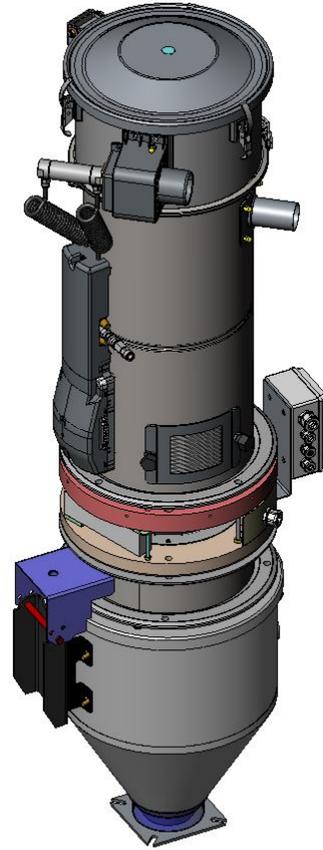
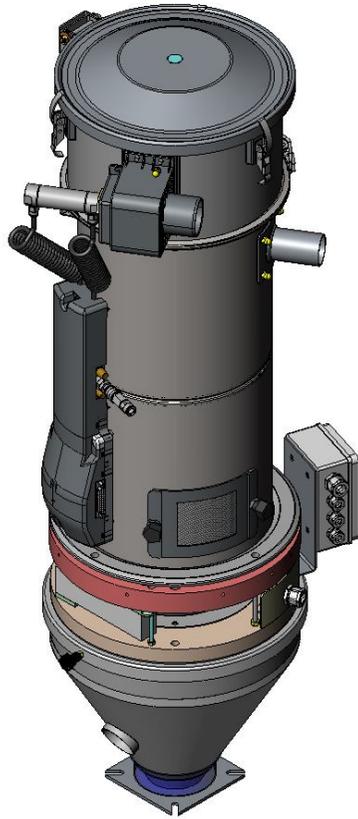
## INSTALLATION



# RANGE

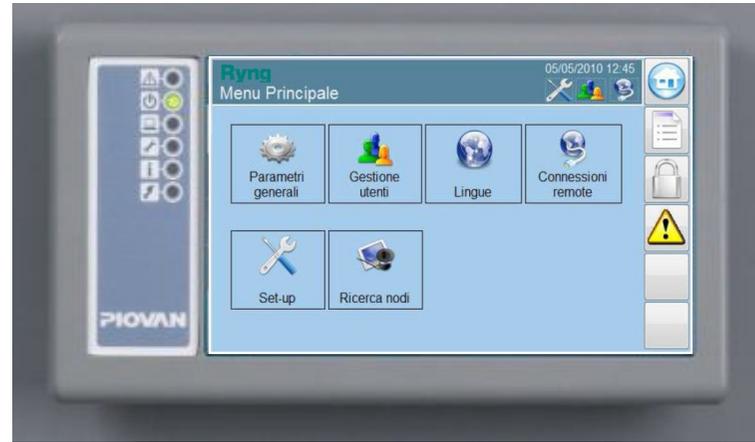
<b>model</b>	<b>receiver</b>	<b>flange</b>	<b>(load on Ryng - kg)</b>
R3	C2-C3	185	20
R20	C5-C10-C15-C20	280	45
R75	C30-C50-C75	280	120
R200	C100-C140-C200	450	300

# MOUNTING EXAMPLES



POSSIBLE NEED FOR SPACERS OR ADJUST FLANGES FOR NON STANDARD RECEIVERS OR BINS

## CONTROL PANEL



- TOUCH SCREEN HMI
- DISPLAY OF MATERIAL CONSUMPTION PER RECEIVER
- QUANTITY OF LOADING CYCLES
- CURRENT AND PREVIOUS LOT OF PRODUCTION
- SEPARTE VIRGIN AND REGRIND LOADING MONITOR (with VP)
- LOCAL INTERFACE KEYBOARD



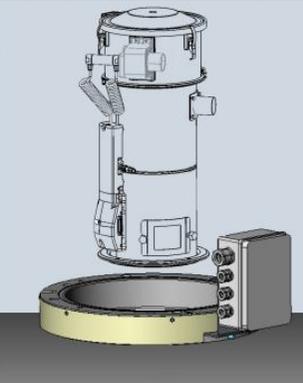
- Material consumption totalizers
- Weight of each loading cycle
- Time between loadings
- Average material consumption (kg/h)
- Loadings counter
- Material/lot in progress
- Drying monitor

PIOVAN - WinFactory - Injection\_1

File Tools Help

**Ryng**

IMM\_A\_Y



Name: IMM\_A\_Y Id.: 2

Totalizer A: 138612,52 kg Partial totalizer A: 16,96 kg

Loads totalizer: 7699 Reset partial

Time between loads: 42,3 s Last weighing A: 2,80 kg

Mean value of material in transit: 146,1 kg/h

Status: **NORMAL**

Material A: GRANUL\_1

Device Trend

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PIOVAN - WinFactory - Injection\_1

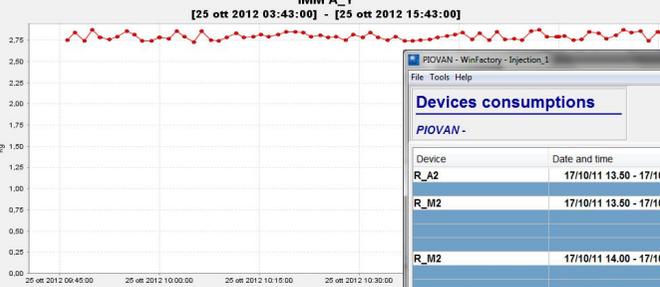
File Tools Help

**Trends**

PIOVAN -

IMM\_A\_Y

[25 ott 2012 03:43:00] - [25 ott 2012 15:43:00]



Devices: IMM\_A\_Y  Online Variable name: Last weighing A (kg)

From: 25 ott 2012 3:43:00 To: 25 ott 2012 15:43:00

Search Alarms-events

csa SERVER v2ampieri 10.1.8.119

PIOVAN - WinFactory - Injection\_1

File Tools Help

**Devices consumptions**

PIOVAN -

Device	Date and time		
R_A2	17/10/11 13.50 - 17/10/11 14.45		
R_M2	17/10/11 13.50 - 17/10/11 13.50		
R_M2	17/10/11 14.00 - 17/10/11 14.45		
R_M7	17/10/11 13.50 - 17/10/11 14.45	1650.0	1650.0
		AAABBBCCCXXX	1650.0
<b>Total</b>	<b>17/10/11 13.50 - 17/10/11 14.45</b>	<b>2271.0</b>	<b>2270.0</b>
		PC	2270.0
		AAABBBCCCXXX	2270.0

From: 17 ott 2011 13:50:00 To: 17 ott 2011 14:45:00

Time limit for the search: 17 ott 2011 13:50:00 - 17 ott 2011 14:45:00

Devices: ALL Select

Search Alarms-events Print Export

demo SERVER v2ampieri 10.1.8.63 lun, 17 ott 2011 14:49:48



**Benefits:**

- Monitor of the material consumption in real time
- Control of the production batches
- Statistics of the production volumes
- Applicable with any loader device
- Remote control via WinFactory connection



THANK YOU