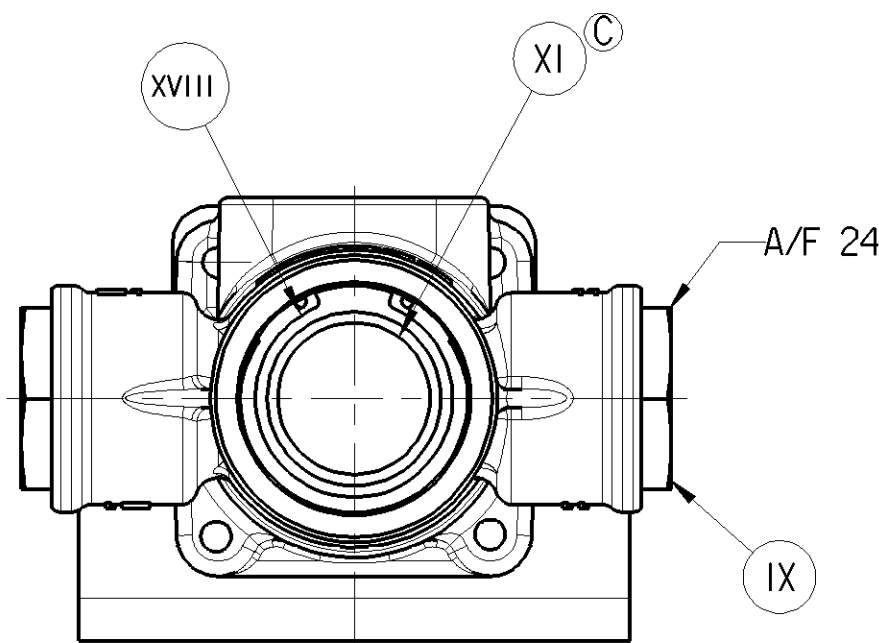
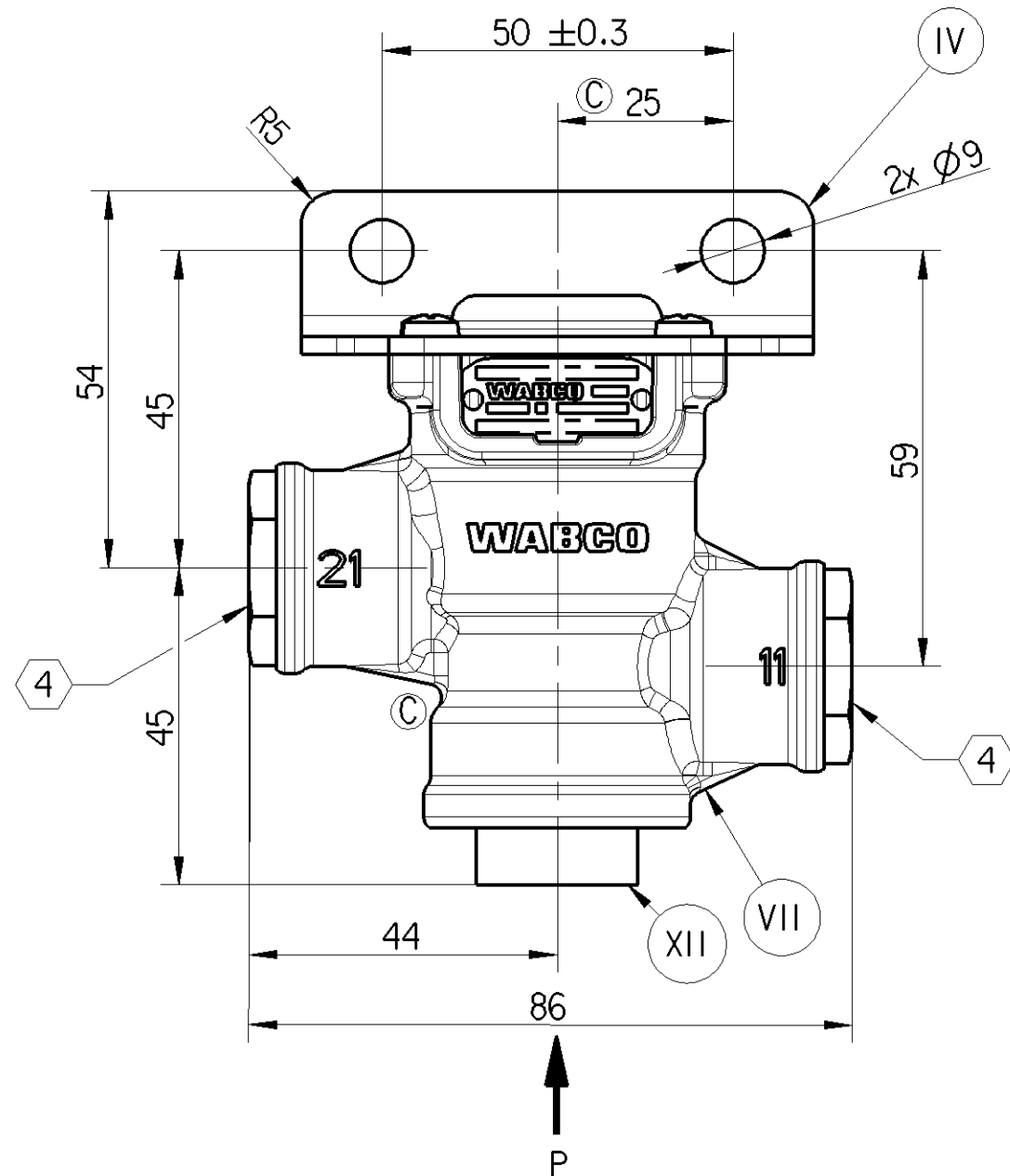
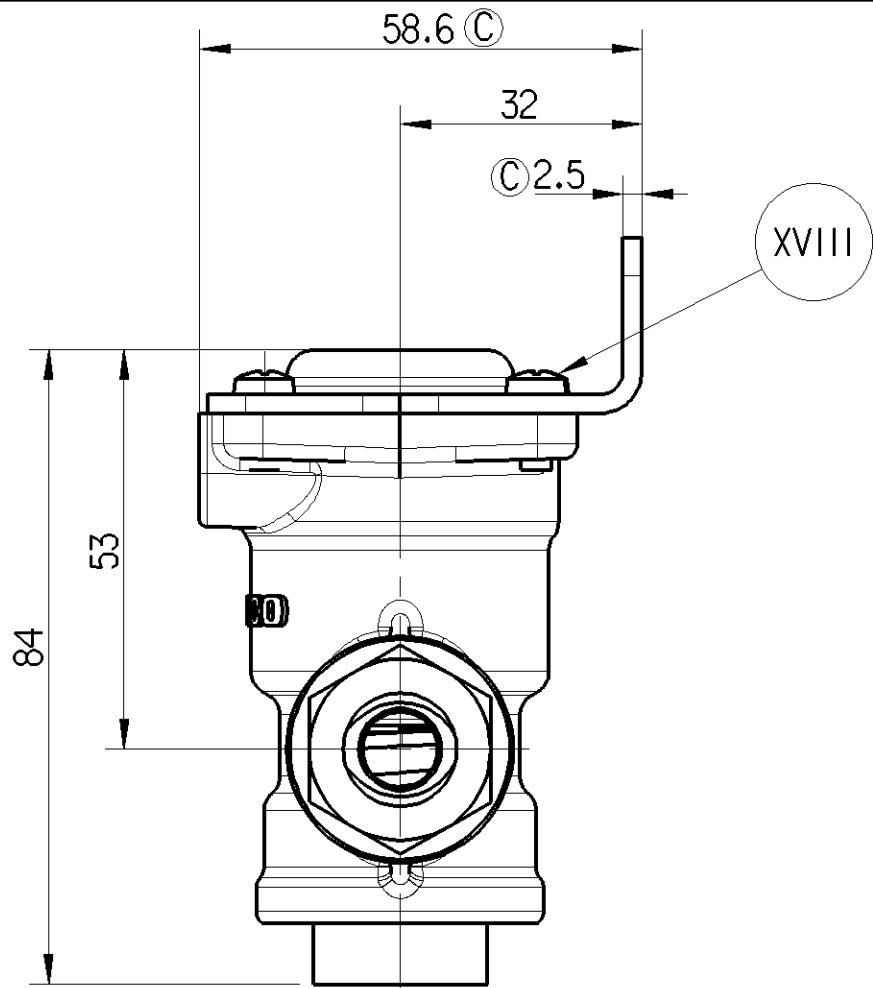
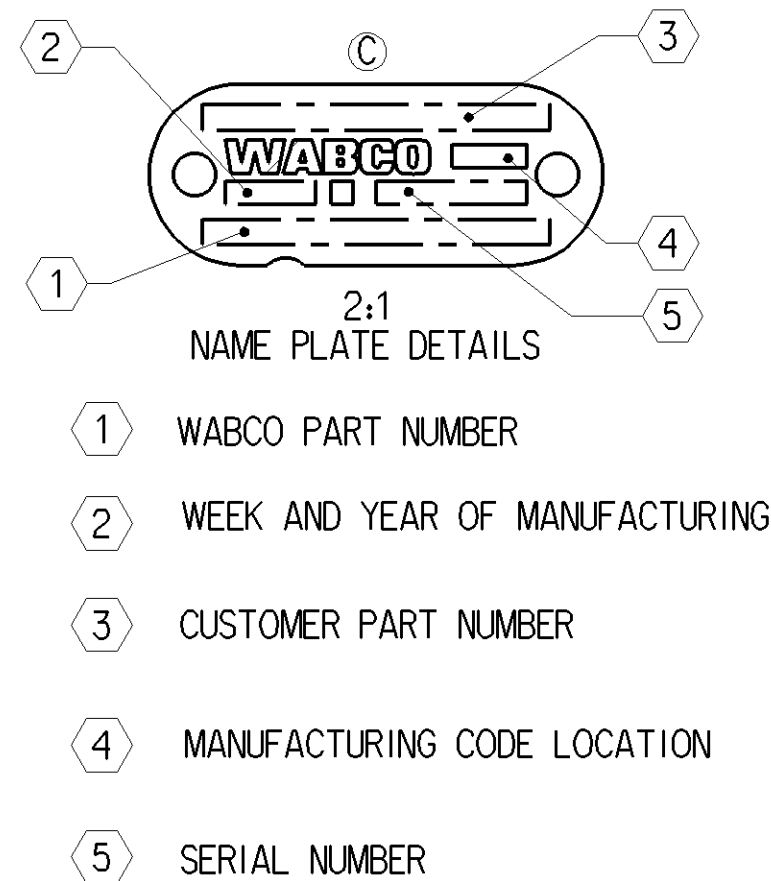
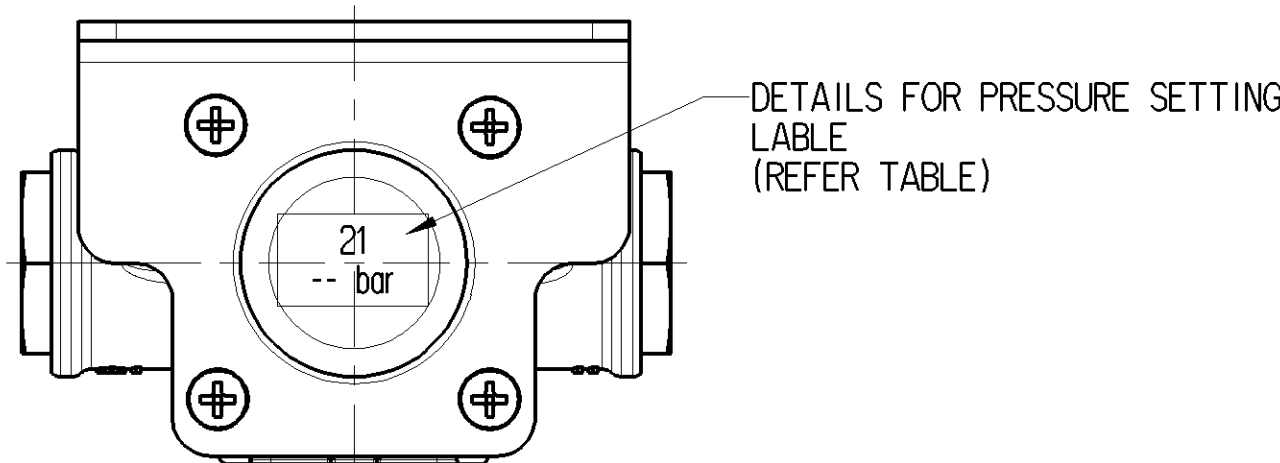


|           |                 |                    |
|-----------|-----------------|--------------------|
| XVIII     | STEEL           | ZINC / AL FLAKE    |
| XVII      | STEEL           | NO TREATMENT       |
| XVI       | CAST IRON       | PLATED             |
| XV        | STEEL           | ZINC IRON PLATED   |
| XIV       | CAST IRON       | NO TREATMENT       |
| XIII      | ZINC ALLOY      | ANODISED           |
| XII       | PLASTIC         | NO TREATMENT       |
| XI        | RUBBER          | NO TREATMENT       |
| X         | STAINLESS STEEL | NO TREATMENT       |
| IX        | BRASS           | NO TREATMENT       |
| VIII      | ZINC ALLOY      | CHROMATED          |
| VII       | ALUMINUM ALLOY  | ANODISED           |
| VI        | ALUMINUM ALLOY  | CHROMATED          |
| V         | CAST IRON       | PAINTED            |
| IV        | STEEL           | POWDER COATED      |
| III       | STEEL           | PAINTED            |
| II        | STEEL           | PHOSPHATED         |
| I         | STEEL           | ZINC PLATED        |
| PART CODE | MATERIAL        | SURFACE PROTECTION |



VIEW P



ASSEMBLY PROCEDURE

(a) THE SPRING ELEMENT IS INSERTED INTO THE CHAMBER UNDER THE THREAD ROOT OF THE CONNECTION BORE (a) AND (b).

(b) THE RETAINING CLIP IS INTRODUCED SO THAT IT RESTS FLAT ON THE THREAD ROOT (b) AND (c).

(c) THE MALE FITTING PRE-ASSEMBLED WITH THE PRE-GREASED O-RING TO SEAL THE THREAD IS SCREWED BY HAND INTO THE TAPPED BORE (c) AND TIGHTENED.

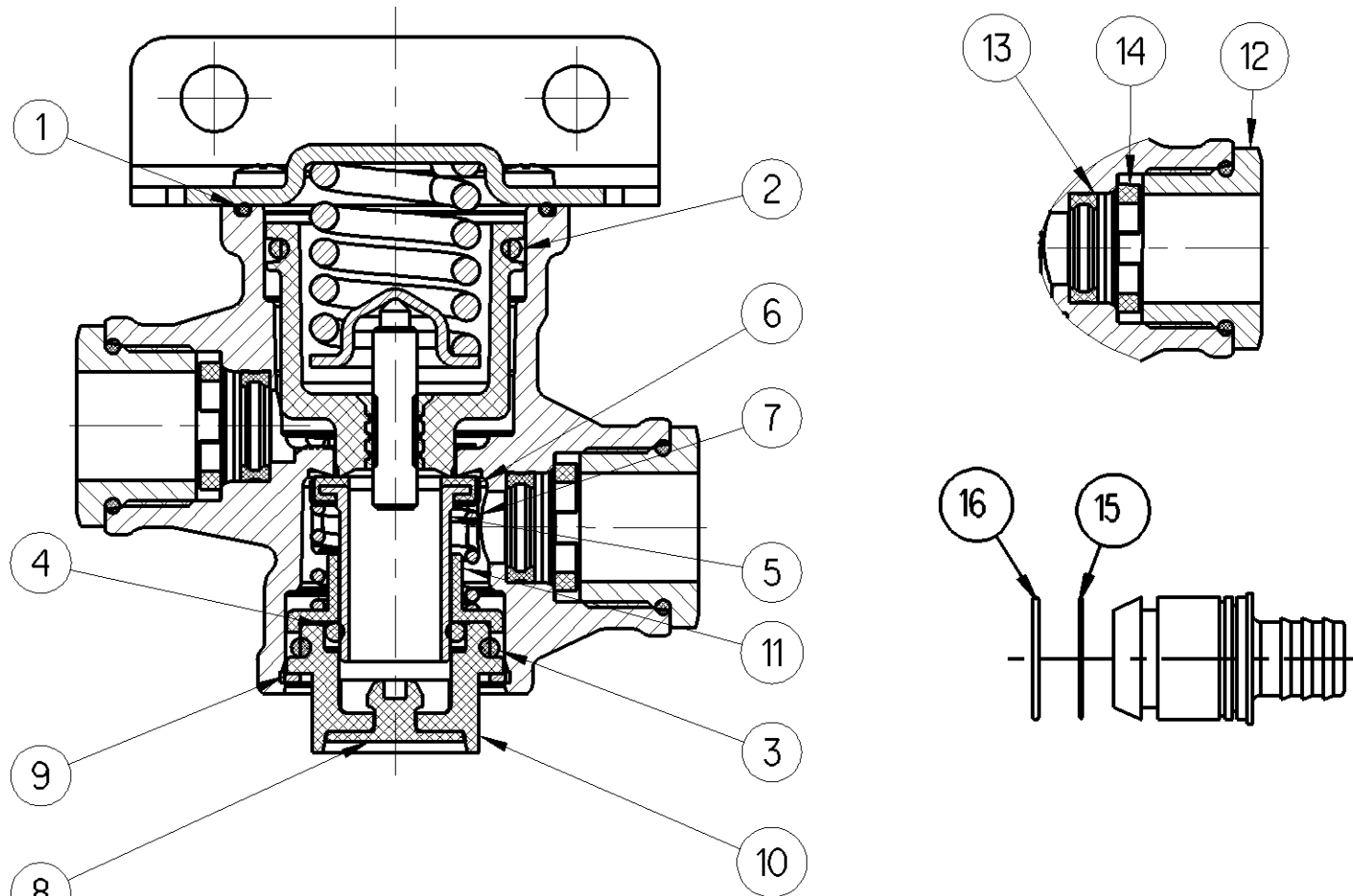
DETAILS OF PORT MACHINING FOR M22x1.5

NG2 SPRING ELEMENT  
VOSS PART No. 00 62 05 99 00

NG2 RETAINING CLIP  
VOSS PART No. 00 62 01 90 00

NG2 MALE NUT M22 X 1.5 WITH O-RING  
VOSS PART No. 00 62 03 99 00

| SL.No. | NOTES                                                                                                                                                                                                                   |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | PRODUCT FUNCTION AND RELIABILITY                                                                                                                                                                                        |
| 1.1    | WORKING MEDIUM                                                                                                                                                                                                          |
| 1.2    | NORMAL WORKING PRESSURE                                                                                                                                                                                                 |
| 1.3    | MAXIMUM WORKING PRESSURE (TEMPORARILY)                                                                                                                                                                                  |
| 1.4    | DELIVERY PRESSURE (WHEN SUPPLY PRESSURE IS 10 bar)                                                                                                                                                                      |
| 1.5    | NOMINAL FLOW DIA (WITH VOSS CONNECTION)                                                                                                                                                                                 |
| 1.6    | THERMAL RANGE OF APPLICATION                                                                                                                                                                                            |
| 1.7    | INSTALLATION POSITION                                                                                                                                                                                                   |
| 1.8    | CORROSION RESISTANCE                                                                                                                                                                                                    |
| 2      | QUALITY COMPLIANCE TESTS WILL BE CARRIED OUT REGULARLY AS PER CLAUSE No.14                                                                                                                                              |
| 3      | SERVICE LIFE TO FIRST OVERHAUL IF FITTED AS PER RECOMMENDED LAYOUT 5 YEARS / 500 000 KM WHICHEVER IS EARLIER FOR TRUCK AND INTERCITY BUS APPLICATION 3 YEARS / 300 000 KM WHICHEVER IS EARLIER FOR CITY BUS APPLICATION |
| 4      | OPEN PORTS ARE FITTED WITH CLOSURE PLUGS FOR STORAGE AND TRANSIT PURPOSES                                                                                                                                               |

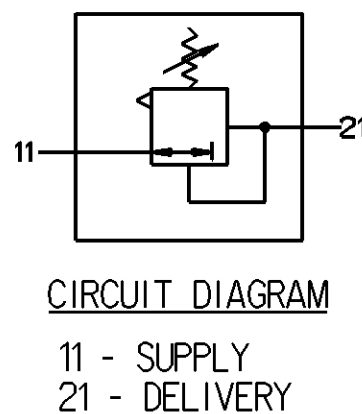
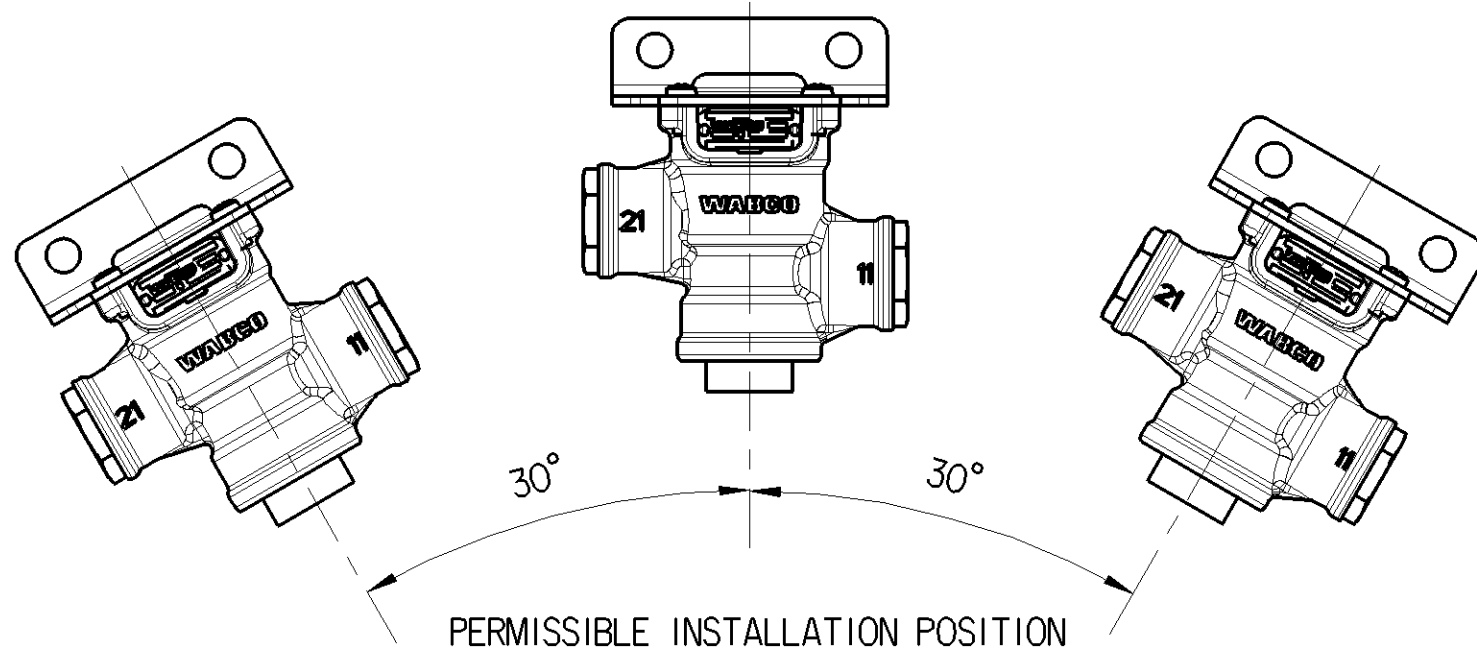


REPAIR KIT 300003116 (MSP 3/116) CONSISTS OF ITEMS SHOWN

| S.No | CUSTOMER PART No. | WIN PART No | DESCRIPTION        | QTY |
|------|-------------------|-------------|--------------------|-----|
| 1    |                   | 8979801704  | O-RING             | 1   |
| 2    |                   | 8979802384  | O-RING             | 1   |
| 3    |                   | 8979801054  | O-RING             | 1   |
| 4    |                   | 8979802224  | O-RING             | 1   |
| 5    |                   | 8995000142  | VALVE              | 1   |
| 6    |                   | 8999800004  | VALVE GUIDE        | 1   |
| 7    |                   | 8960701104  | COMPRESSION SPRING | 1   |
| 8    |                   | M342221     | EXHAUST FLAP       | 1   |
| 9    |                   | 8996200114  | RETAINER RING      | 1   |
| 10   |                   | M342211     | O-RING RETAINER    | 1   |
| 11   |                   | 8953700014  | SPRING RETAINER    | 1   |
|      |                   | M919910     | GREASE SATCHET     | 2   |

REPAIR KIT 300003130 (MSP 3/130) REPAIR KIT CONSISTS OF ITEMS SHOWN

| S.No | CUSTOMER PART No. | WIN PART No | DESCRIPTION    | QTY | KIT REQUIRED |
|------|-------------------|-------------|----------------|-----|--------------|
| 12   |                   | 8932204272  | PRESSURE SCREW | 1   | 2            |
| 13   |                   | 8953700044  | SPRING ELEMENT | 1   |              |
| 14   |                   | 8952266974  | RETAINING CLIP | 1   |              |
| 15   |                   | 8979801464  | O-RING         | 1   |              |
| 16   |                   | 8979801534  | O-RING         | 1   |              |

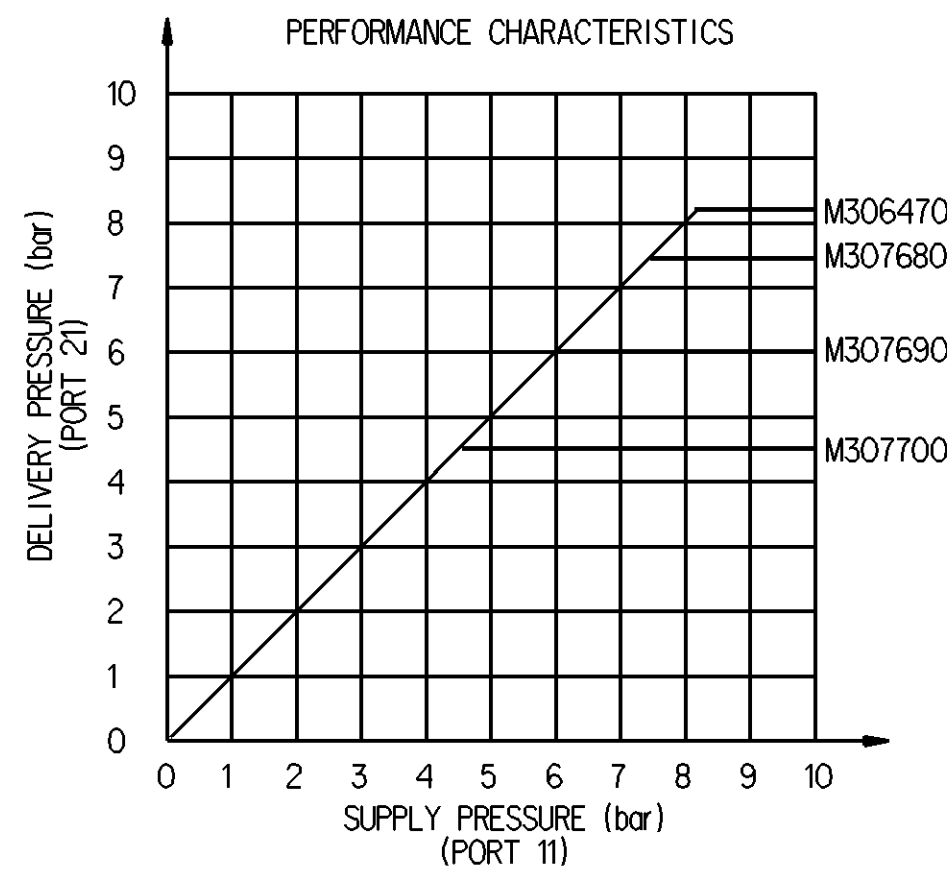
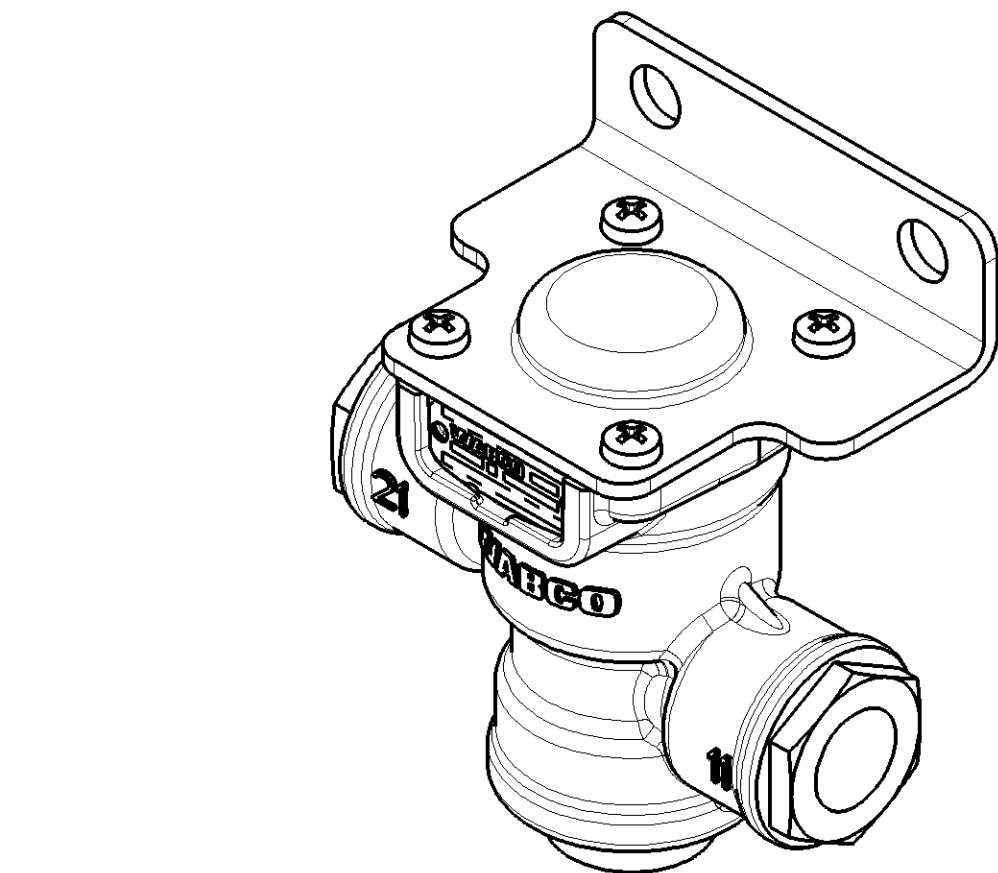


CIRCUIT DIAGRAM

11 - SUPPLY  
21 - DELIVERY

|                             |   |
|-----------------------------|---|
| SAFETY CHARACTERISTICS      | 0 |
| SIGNIFICANT CHARACTERISTICS | 1 |

| WIN PART No. | DELIVERY PRESSURE (WHEN SUPPLY PRESSURE IS 10 bar) | CUSTOMER PART No. |
|--------------|----------------------------------------------------|-------------------|
| M306470      | 8.2 ± 0.3 bar                                      | 2880 4370 0148    |
| M307680      | 7.5 ± 0.3 bar                                      | 2778 4370 01 25N  |
| M307690      | 6.0 ± 0.3 bar                                      | 2778 4370 01 26N  |
| M307700      | 4.5 ± 0.3 bar                                      | 2778 4370 01 27N  |



|                                                     |  |                                 |  |
|-----------------------------------------------------|--|---------------------------------|--|
| General Specification: JED-334-1, Size ISO 14405 LP |  | Copyright WABCO®                |  |
| Further Technical Data: PSSC 252C                   |  | Date: 2016-06-14                |  |
| Doc. Code: 035                                      |  | Sheet: 1 To 6                   |  |
| General Tolerances JED-261                          |  | Checked: Thayovan               |  |
| Range of Nominal Dimensions (± mm)                  |  | Drawn: RAJASEKARAN              |  |
| Class 1) ≤ 50 > 50 > 180 > 400                      |  | Expert: R SATHESH KUMAR         |  |
| Fine 0.5 1.0 1.5 2.0                                |  | Material No. M306470            |  |
| Medium X 1.0 2.0 3.0 4.0                            |  | Date of first issue: 2016-06-14 |  |
| Coarse 2.0 3.5 5.0 6.5                              |  | Doc. Code: 053                  |  |
| Tapped Holes acc. JED-388                           |  | Language: EN                    |  |
| 1) Tolerance Class Applied Crossmarked              |  | Sheet: 1/1                      |  |
| A 1 CREO                                            |  | Tech. Resp. 5160_WIN            |  |